Regional Health Status Indicators Massachusetts



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TABLE OF CONTENTS

NOTE TO READERS	. 10
INTRODUCTION	11
Goals for holding Regional Dialogues	
Goals of New DPH Leadership	
Timetable	. 14
SOCIODEMOGRAPHIC INDICATORS	. 15
Executive Office of health and Human Services Regions	. 17
Comments about the Limitations of this presentation	
Population in Towns in Central Region: 2005	
Race and Ethnic Breakdown of Population, Central Region and Massachusetts: 2005	
Race and Ethnic Breakdown of Population, Worcester and Massachusetts: 2005	
Population by Age Group, Central Region and Massachusetts: 2005	
Language Spoken at Home, Western Region and Massachusetts: 2000	. 20
Spanish Spoken at Home, Central Region: 2000	. 20
Socio-Demographic Indicators, Central Region and Massachusetts: 2000	.21
Highest and Lowest per Capita Income Communities in Central Region: 2000	. 21
HEALTH CARE ACCESS	. 23
Adults who Have No Health Insurance by EOHHS Region, Massachusetts: 2005	. 25
Adults who Have No Health Insurance by Race and Ethnicity, Central Region and	
Massachusetts: 2005	
Health Insurance Access, Central Region and Massachusetts: 2005	. 26
Summary Indicators for Health Insurance by EOHHS Regions, Massachusetts: 2005	
BIRTH INDICATORS	. 27
Infant Mortality Rate (IMR) Central Region and Massachusetts: 1990-2005	
Infant Mortality Rate by Race/Ethnicity, Central Region and Massachusetts: 2002-2005	29
Infant Mortality Rates by Race/Ethnicity, Central Region and Massachusetts: 2003-2005	
Highest Infant Mortality Rates Among the 30 Largest Communities', Massachusetts: 2005–2005	
Infant Mortality Rates (IMR) Worcester, Central Region, and Massachusetts: 1990-2005	
Infant Mortality Rates by Race and Ethnicity, Worcester: 1990-2005	. 31
2005	.32
Low Birthweight by EOHHS Region, Massachusetts: 2005	
Breastfeeding by EOHHS Region, Massachusetts: 2005	33
Teen Birth Rates, Central Region and Massachusetts: 1990-2005	33
Teen Birth Rates by EOHHS Regions, Massachusetts: 2005	
Teen Birth Rates by EOHHS Region, Massachusetts: 2005	
Teen Birth Rates by Community, Central Region: 2005	
Teen Birth Rates by Race and Ethnicity, Central Region and Massachusetts: 2005	.35
Adequate Prenatal Care by EOHHS Regions, Massachusetts: 2005	. 36
Public Source of Payment for Prenatal Care, Central Region and Massachusetts: 1990-	_
2005	
Public Source of Payment for Prenatal Care, Central Region and Massachusetts: 2005	
Smoking During Pregnancy, Central Region and Massachusetts: 1990-2005	. 37
Smoking During Pregnancy by EOHHS Regions, Massachusetts: 2005	. 38

	Smoking During Pregnancy for Largest Communities, Central Region: 2005	38
	Smoking During Pregnancy by Race and Ethnicity, Central Region and Massachusetts:	
	2005	39
	Infants Delivered by C-Section, Central Region and Massachusetts: 1990-2005	39
	Infants Delivered by C-Section by EOHHS Regions, Massachusetts: 2005	40
	Percentage of Cesarean Births by EOHHS Regions, Massachusetts Births 2005	40
	Summary of Birth Indicators by EOHHS Regions, Massachusetts: 2005	41
	Summary of Birth Indicators by EOHHS Regions, Massachusetts: 2002-2005	
LE	EADING CAUSES OF DEATH	43
	Leading Causes of Death, Central Region and Massachusetts: 2005	45
C	HRONIC DISEASE OUTCOMES AND OVERWEIGHT/OBESITY	47
	Example: Overweight and Obese by Height	49
	Adults who are Overweight by EOHHS Region, Massachusetts: 1995 & 2005	49
	Adults who are Obese by EOHHS Region, Massachusetts: 1995 & 2005	
	Obesity by Race and Ethnicity, Central Region and Massachusetts: 2005	
	Adults who Participate in Regular Physical Activity by EOHHS Region, Massachusetts:	
	2005	51
	Adults who have 5+ Servings of Fruit or Vegetables by EOHHS Region, Massachusetts:	
	2005	51
	Adults who had their Cholesterol Checked in Past 5 Years by EOHHS Region,	
	Massachusetts: 2005	52
	Adults who were Told by Health Care Provider that they had High Cholesterol, by EOHHS	
	Region, Massachusetts: 2005	52
	Adults who were Told by a Health Care Provider they have High Blood Pressure, by EOH	
	Adults who take Medicine for High Blood Pressure, by EOHHS Region, Massachusetts :	
	2005	53
	Hypertension Hospital Discharges by EOHHS Region, Massachusetts: 2003-3005	
	Hypertension Hospital Discharge Rates by Race/Ethnicity, Central Region, Massachusetts	
	2003-2005	54
	Heart Disease Mortality Rates by EOHHS Region, Massachusetts: 2003-2005	_
	Heart Disease Death Rates by Race/Ethnicity, Central Region and Massachusetts: 2003-	
	2005	
	Prevalence of Diabetes, Massachusetts: 1994-2005	
	Diabetes Hospital Discharge Rates by EOHHS Region, Massachusetts: 2003-2005	
	Diabetes Hospital Discharge Rates by Race/Ethnicity, Central Region, Massachusetts:	00
	2003-2005	57
	Diabetes Mortality Rates by EOHHS Region, Massachusetts: 2003-2005	
	Diabetes Mortality Rates by Echnicity, Central Region and Massachusetts : 2003-	51
	2005	58
	Summary Indicators for Overweight/Obesity, by EOHHS Regions, Massachusetts : 2005	
		50
	Summary Indicators for Chronic Disease Outcomes for Overweight/Obesity by EOHHS Regions	59
	IVERIOUS	ວອ
_	ANCER	61
U/	ANCERAdults Ages 50+ who have had a Sigmoidoscopy or Colonoscopy in Past 5 Years by EOH	
	Regions, Massachusetts: 2005	03
	2003	- 63
	Z1051	(1.7

	Incidence Rates for Early Stage Colorectal Cancer, Males, by EOHHS Region, Massachusetts: 1999-2003	64
	Incidence Rates for Early Stage Colorectal Cancer, Females, by EOHHS Region,	04
	Massachusetts: 1999-2003	64
	Colorectal Cancer Mortality Rates by EOHHS Region, Massachusetts: 2005	
	Men Ages 50+ who had a Prostate-Specific Antigen Test in the Past 2 years by EOHHS	
	Region, Massachusetts: 2004	65
	Men Ages 50+ who had a Digital Rectal Exam in the Past Two Years by EOHHS Region,	
	Massachusetts: 2004	66
	Adults Ages 50+ who had a Blood Stool Test in the Past Two Years by EOHHS Region,	
	Massachusetts: 2005	66
	Incidence Rates for Invasive Prostate Cancer by EOHHS Region, Massachusetts: 1999-	
	2003	_
	Incidence Rates for Early Stage Prostate Cancer by EOHHS Region, Massachusetts: 199	
	2003	
	Prostate Cancer Mortality Rates by EOHHS Region, Massachusetts: 2005	68
	Women Ages 40+ who had a Clinical Breast Exam in the Past Two Years by EOHHS	
	Region, Massachusetts: 2004	68
	Women who had a Clinical Breast Exam in the Past Two Years by Race and Ethnicity,	00
	Central Region and Massachusetts : 2004	69
	Women Ages 40+ who have had a Mammography in Past 2 Years by EOHHS Region, Massachusetts: 2005	00
	Incidence Rates for Invasive Female Breast Cancer by EOHHS Region, Massachusetts:	69
	1999-2003	70
	Incidence Rates for Early Stage Female Breast Cancer by EOHHS Region, Massachusett	_
	1999-2003	
	Female Breast Cancer Mortality Rates by EOHHS Region, Massachusetts : 2005	
	Incidence Rates for Invasive Lung Cancer by EOHHS Region, Massachusetts: 1999-	
	2003	71
	Incidence Rates for Early Stage Lung Cancer, Males, by EOHHS Region, Massachusetts	
	1999-2003	72
	Incidence Rates for Early Stage Lung Cancer, Females, by EOHHS Region, Massachuset	tts:
	1999-2003	72
	Lung Cancer Mortality Rates by EOHHS Region, Massachusetts: 2005	73
	Summary Indicators for Cancer Screening by EOHHS Regions, Massachusetts: 2005	73
	Summary Cancer Indicators (Early Stage) by EOHHS Regions, Massachusetts: 1999-	
	2003	74
	Summary Cancer Indicators (Late Stage) by EOHHS Regions, Massachusetts: 1999-	
	2003	
	Summary Cancer Incidence Rates by EOHHS Regions, Massachusetts: 1999-2003	
	Summary Cancer Mortality Indicators by EOHHS Regions, Massachusetts: 2005	/5
C	IDCTANCE ADJICE	77
3	UBSTANCE ABUSE	/ /
	Massachusetts: 2002-2004	70
	Binge Drinking in Past Month, Persons Aged 12 to 20 Years, by EOHHS Region,	เ ฮ
	Massachusetts: 2002-2004	70
	Any Illicit Drug Use in Past Month, Persons Aged 12+ Years, by EOHHS Region,	1 3
	Massachusetts: 2002-2004	80
	Any Illicit Drug Use Other Than Marijuana use in Past Month, Persons Aged 12+ Years, by	
	EOHHS Region, Massachusetts: 2002-2004	

Alcohol Dependence or Abuse in Past Year, Persons Aged 12+ Years, by EOHHS Reg	
Massachusetts: 2002-2004	
Dependence or Abuse of Any Illicit Drug or Alcohol in Past Year, Persons Aged 12+ Ye	
by EOHHS Region, Massachusetts : 2002-2004	
Adults who Binge Drink, by EOHHS Region, Massachusetts: 2005	
Adults who Used Illicit Drugs in Past Month by EOHHS Region, Massachusetts: 2005	82
Adults who Currently Smoke, by EOHHS Region, Massachusetts: 2005	83
Current Smoker by Race and Ethnicity, Western Region and Massachusetts: 2005	83
Substance Abuse Treatment Program Admissions by EOHHS Region, Massachusetts:	
2005	
Substance Abuse Treatment Program Admissions, Alcohol Primary Substance, by EOF	HS
Region, Massachusetts: 2005	
Substance Abuse Treatment Program Admissions, Cocaine Primary Substance, by EO	
Region, Massachusetts: 2005	
Substance Abuse Treatment Program Admissions, Heroin Primary Substance, by EOH	HS
Region, Massachusetts : 2005	
Opioid-related Emergency Visit Rates by EOHHS Region, Massachusetts : 2003-2005	
Opioid-related Emergency Department Visit Rate by Race/Ethnicity, Central Region and	
Massachusetts: 2003-2005	
Massachusetts City and Town FY03-05, Total Number of Opioid Overdose Related	
Deaths	87
Massachusetts City and Town FY03-05, Total Number of Opioid Overdose Related	07
Deaths	97
Opioid-related Fatal Overdoses by EOHHS Region, Massachusetts : 2003-2005	_
Opioid-related Fatal Overdoses by Race/Ethnicity, Central Region and Massachusetts:	
2003-2005	
Massachusetts City and Town FY03-05, Total Number of Poly-Drug Overdose related	00
Events	00
	09
Massachusetts City and Town FY03-05, Total Number of Poly-Drug Overdose related	00
Deaths	
Summary Substance Abuse Indicators by EOHHS Regions	
Summary Substance Abuse Indicators by EOHHS Region, Massachusetts: 2005	
Summary Opioid Indicators by EOHHS Regions, Massachusetts: 2003-2005	91
IN HIRV VIOLENCE AND COCHRATIONAL HEALTH	00
INJURY, VIOLENCE, AND OCCUPATIONAL HEALTH	
Causes of Injury Deaths, Central Region and Massachusetts: 2005	95
Injury-related Hospital Discharge Rates by EOHHS Region, Massachusetts: 2003-2005	95
Injury-related Hospital Discharge Rates by Race and Ethnicity, Central Region and	
Massachusetts: 2003-2005	96
Emergency Department Visit Rates for Injuries and Poisonings by EOHHS Region,	
Massachusetts: 2003-2005	
Emergency Department Visit Rates for Injuries & Poisonings by Race/Ethnicity, Central	
Region and Massachusetts: 2003-2005	
Hospital Discharge Rates for Traumatic Brain Injuries by EOHHS Region, Massachuset	
2003-2005	
Hospital Discharge Rates for Traumatic Brain Injury by Race/Ethnicity, Central Region a	
Massachusetts: 2003-2005	98
Emergency Department Visit Rates for Traumatic Brain Injury, by EOHHS Region,	
Massachusetts: 2003-2005	
Emergency Department Visit Rates for Traumatic Brain Injury by Race/Ethnicity, Centra	
Region and Massachusetts: 2003-2005	99

Injury Death Rates by EOHHS Region, Massachusetts: 2003-2005	99
Hospital Discharge Rates for Assaults by EOHHS Region, Massachusetts: 2003-2005	100
Hospital Discharge Rates for Assaults by Race/Ethnicity, Central Region and	
Massachusetts: 2003-2005	100
Homicides by EOHHS Region, Massachusetts : 2003-2005	101
Homicide Rates by Race/Ethnicity, Central Region and Massachusetts : 2003-2005	_
Hospital Discharge Rates for Self-Inflicted Injury, by EOHHS Region, Massachusetts : 200	
	.102
Hospital Discharge Rates for Self-Inflicted Injuries by Race/Ethnicity, Central Region and	400
Massachusetts: 2003-2005	
Suicide by EOHHS Region, Massachusetts: 2003-2005	
Suicide Rates by Race/Ethnicity, Central Region and Massachusetts: 2003-2005	.103
Hospital Discharge Rates for Motor Vehicle-related Injuries by EOHHS Region and	
Massachusetts: 2003-2005	104
Hospital Discharge Rates for Motor Vehicle-related Injuries by Race/Ethnicity, Central Reg	gion
and Massachusetts: 2003-2005	-
Motor Vehicle-related Mortality Rates by EOHHS Region, Massachusetts: 2003-2005	
Motor Vehicle-related Death Rates by Race/Ethnicity, Central Region and Massachusetts	
2003-2005	. 105
Emergency Department Visit Rates for Firearm Injuries, by EOHHS Region, Massachuset	
2003-2005	. 106
Emergency Department Visit Rates for Firearm Injuries by Race/Ethnicity, Central Region	
and Massachusetts: 2003-2005	
Firearm Death Rates by EOHHS Region, Massachusetts: 2003-2005	
Firearm Death Rates by Race/Ethnicity, Central Region and Massachusetts: 2003-2005	107
Hospital Discharge Rates for Fall-related Injuries, by EOHHS Region, Massachusetts: 20	103-
2005	108
Hospital Discharge Rates for Fall-related Injuries, Ages 65+, by EOHHS Region,	
Massachusetts: 2003-2005	.108
Hospital Rates for Fall-related Injuries by Race/Ethnicity, Central Region and	
Massachusetts: 2005	109
Emergency Department Visit Rates for Fall-related Injuries, by EOHHS Region,	103
	.109
Massachusetts: 2003-2005	
Emergency Department Visit Rates for Fall-related Injuries by Race/Ethnicity, Central Reg	-
and Massachusetts: 2003-2005	.110
Fall-related Injury Mortality Rates by EOHHS Region, Massachusetts : 2003-2005	.110
Fall-related Injury Mortality Rates by Race/Ethnicity, Central Region and Massachusetts:	
2003-2005	
Fall-related Injury Mortality Rates, Persons 65+ years, by EOHHS Region, Massachusetts	3:
2003-2005	.111
Work-related Injuries, Emergency Department Visits per 100 Full Time Equivalents,	
Massachusetts Counties: 2004-2005	112
Work-related Injuries among Teens, Emergency Department Visits per 100 Full Time	
Equivalents, Massachusetts Counties: 2004-2005	112
Work-related Burn Injuries, Emergency Department Visits per 10,000 Full Time Equivalen	te.
work-related built injuries, Emergency Department visits per 10,000 Full Time Equivalent	140
Massachusetts Counties: 2004-2005	
Work-related Amputations, Emergency Department Visits per 10,000 Full Time Equivalent	
Massachusetts: 2004-2005	113
Work-related Injuries, Hospitalizations per 10,000 Full Time Equivalents, Massachusetts	
Counties: 2004-2005	
Number and Rate of Fatal Occupational Injuries by year, Massachusetts: 1991- 2005	.114

Summary Injury/Violence Hospitalization Indicators by EOHHS Regions, Massachusetts 2003-2005	
Summary Injury/Violence Emergency Department Indicators by EOHHS Regions,	113
Massachusetts: 2003-2005	115
Summary Injury/Violence Mortality Indicators by EOHHS Regions, Massachusetts : 2003	 3-
2005	
HIV/AIDS	
Persons Living with HIV, by EOHHS Region, Massachusetts: 2005	
HIV Incidence, by EOHHS Region, Massachusetts: 2005	
AIDS Incidence, by EOHHS Region, Massachusetts: 2005	
Persons Living with AIDS, by EOHHS Region, Massachusetts: 2005	
HIV/AIDS Mortality Rates, by EOHHS Region, Massachusetts: 2003-2005	2
HIV/AIDS Mortality Rates by Race/Ethnicity, Worcester and Central Regions vs. Massachusetts: 2003-2005	121
Summary HIV/AIDS Indicators by EOHHS Regions	
Sulfilliary HIV/AIDS Indicators by EOHHS Regions	122
INFECTIOUS DISEASES	
Chlamydia Incidence, Central Region and Massachusetts: 1989-2005	
Chlamydia Incidence by EOHHS Region, Massachusetts: 2005	
Chlamydia Incidence Rate by Emergency Preparation Region, 2006	
Gonorrhea Incidence by EOHHS Region, Massachusetts: 2005	
Syphilis Incidence, Central Region and Massachusetts: 1989-2005	
Syphilis Incidence, by EOHHS Region, Massachusetts: 2005	
Tuberculosis Incidence, by EOHHS Region, Massachusetts: 2004	128
Confirmed Tuberculosis Cases by Race/Ethnicity and EOHHS Region, Massachusetts:	
2006	
Percent Confirmed Tuberculosis Cases by EOHHS Region, Massachusetts : 2006	129
Percent of Confirmed Tuberculosis Cases by Race/Ethnicity and EOHHS Region,	400
Massachusetts: 2006	
Tuberculosis Cases by EOHHS Region, Massachusetts: 1993-2006	130
Percent of Confirmed Tuberculosis Cases by Race/Ethnicity and EOHHS Region,	400
Massachusetts : 2006	
Hepatitis C Average Incidence Rates, by EOHHS Region, Massachusetts: 1992-2006	
Massachusetts Hepatitis C Infection Average per Year, by Town, 1992-2006	
Hepatitis C Incidence Rates, by EOHHS Region, Massachusetts: 2006	
Massachusetts Hepatitis C Infection Average per Year, by Town, 2006	
Massachusetts Hepatitis C Infection Average per Year, by Town (Youth less than 26 years)	
2002-2006Lyme Disease Incidence by EOHHS Region, Massachusetts: 2004	।ऽऽ १२२
Massachusetts Lyme Disease Case Rates, by Town, 2005	
Summary Infectious Disease Indicators, by EOHHS Regions	
outilitiary infectious disease indicators, by LOTH to Regions	133
ASTHMA	137
Asthma Hospital Discharges by EOHHS Region, Massachusetts: 2005	
Asthma Emergency Department Visits, by EOHHS Region, Massachusetts: 2005	139
Emergency Department Visit Rates for Asthma by Race/Ethnicity, Central Region and	
Massachusetts: 2005	
Adults who Currently have Asthma by EOHHS Region, Massachusetts: 2005	
Asthma ER Visits, Children Ages 0-4, by EOHHS Region, Massachusetts: 2005	141

	Asthma ER Visits, Children Ages 5-9, by EOHHS Region, Massachusetts: 2005	. 141
	Asthma ER Visits, Children Ages 10-14, by EOHHS Region, Massachusetts: 2005	. 142
	Asthma ER Visits, Children Ages 0-14, by EOHHS Region, Massachusetts: 2005	. 142
	Asthma Emergency Department Visit Rates, Children ages 0-14, Central Region and	
	Massachusetts: 2005	. 143
	Pediatric Asthma Prevalence, by EOHHS Region, Massachusetts: 2005-2006	. 143
	Pediatric Asthma Emergency Visit Rates by Towns, Among Children Ages <5,	
	Massachusetts 2004-2005	. 144
	Pediatric Asthma Emergency Visit Rates by Towns, Among Children Ages <5, Central	
	Region, Massachusetts: 2004-2005	. 144
	Pediatric Asthma Hospitalization Rates by Towns, Among Children Ages <5, Central Reg	
	Massachusetts: 2004-2005	
	Summary Asthma Indicators, by EOHHS Regions, Massachusetts: 2005	
	Summary Asthma Indicators, by EOHHS Regions, Massachusetts : 2005	. 146
O	THER HEALTH INDICATORS	. 147
_	Total Cases of Elevated Blood Lead Levels (>=15 µG/DL), by EOHHS Region,	
		. 149
	Lead Poisoning Prevalence Rates (BLL≥ 25 µG/DL), Children 9-48 Months, by EOHHS	
	Region, Massachusetts: 2006	. 149
	Adults who Report Experiencing Intimate Partner Violence by Gender and EOHHS Regio	
	Massachusetts: 2005	
	Adults who Report Having a Disability by EOHHS Region, Massachusetts: 2005	
	Adults who Report Having a Disability and needing help with activities, by EOHHS Region	
	Massachusetts: 2005	
	Adults with Fair or Poor Health, by EOHHS Region, Massachusetts: 2005	
	Adults who Reported Fair or Poor Health by Race and Ethnicity, Central Region and	
	Massachusetts: 2005	. 152
	Adults who Visited a Dentist in Past Year, by EOHHS Region, Massachusetts: 2004	
	Adults who have lost 6 or More Teeth to Decay or Disease, by EOHHS Region,	
	Massachusetts: 2004	. 153
	Adults with Poor Mental Health for 15+ Days in Past Month, by EOHHS Region,	
		. 153
	Summary Other Health Indicators, by EOHHS Regions	. 154
	Summary Other Health Indicators, by EOHHS Regions	
	Refugee Arrivals: Central Region, Fiscal year 2002-2006	. 155
	Refugee Health Concerns: Central Region, Fiscal year 2002-2006	. 155
	Summary Refugees by EOHHS Regions, Massachusetts: 2002-2006	. 156
	Premature Mortality Rate (PMR)	. 156
	Premature Mortality Rates (PMR) by Region, Massachusetts: 2005	. 157
	PRM – Central Region by City/Town, Massachusetts: 2005	
	Median Household Income and PMR by EOHHS Region, Massachusetts: 2005	. 158
	Premature Mortality Rate (PMR) by EOHHS Regions: 2005	. 158
	Summary	
Δ	PPENDIX	161
_	Regions and Towns	
	Data Sources	

NOTE TO READERS

Background

This report presents important health indicators for your region, which were developed as background material for the Regional Health Dialogues being held across the Commonwealth in May and June 2007. These dialogues offer an opportunity for you to have a conversation with the Commissioner of Public Health, learn the latest health information for your region, identify your resources and areas of need, and together, with the Massachusetts Department of Public Health, shape a public health partnership.

Contents

This report provides information about the socio-demographics, health care access, births, deaths, major chronic and infectious disease rates, substance abuse, and injury and violence for your region. Your region's indicators are compared with those of other regions and to the state as a whole in order to provide you with a sense of the relative health of your region. Many indicators for your region are stratified by race, Hispanic ethnicity, and age in order help determine specific population groups that may require targeted health interventions. We have also provided information about the health status of one or more large communities in your region, which may be influencing your regional outcomes. We hope that this collection of important and diverse health indicators will stimulate discussions of local health priorities, as well as serving as a resource for health information and a reference for data that are available from the Massachusetts Department of Public Health. Please contact us with your comments and suggestions.

INTRODUCTION

Goals for holding Regional Dialogues

- Introduce new DPH leadership
- Present latest health data on your particular region
- Talk with residents and providers about data and identify areas of need
- Gather feedback to inform process of setting DPH priorities

Goals of New DPH leadership

- Use data and community input to set new priorities & reshape the Department
- Rely on science and evidence-based process to guide the work
- Strengthen ties with and support for local health and local agencies
- Increase resources to and visibility of public health in Massachusetts

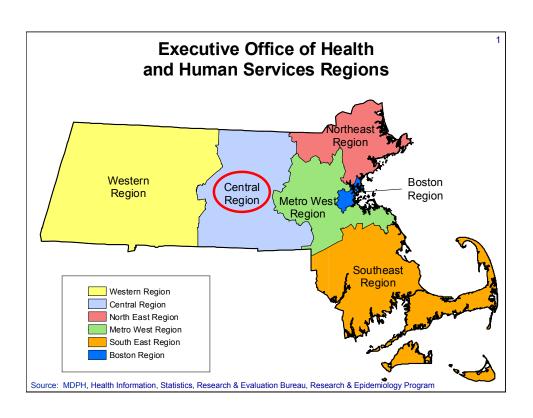
Timetable

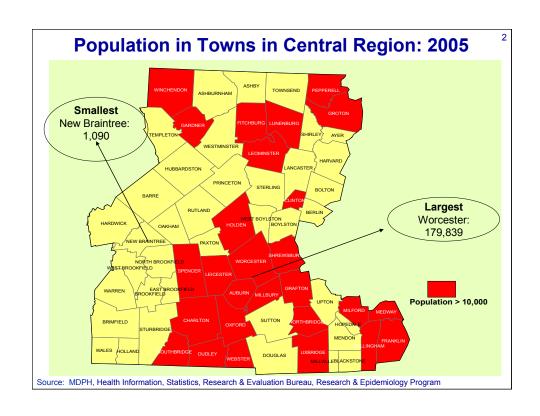
- Hold 8 regional dialogues with comprehensive data review and identification of key health concerns (by July)
- Identify short list of top priorities by end of August
- Hold second round of community dialogues to discuss action plans/results by end of calendar year

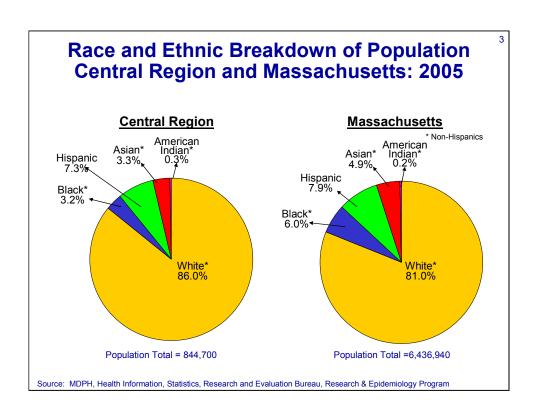
SOCIODEMOGRAPHIC INDICATORS

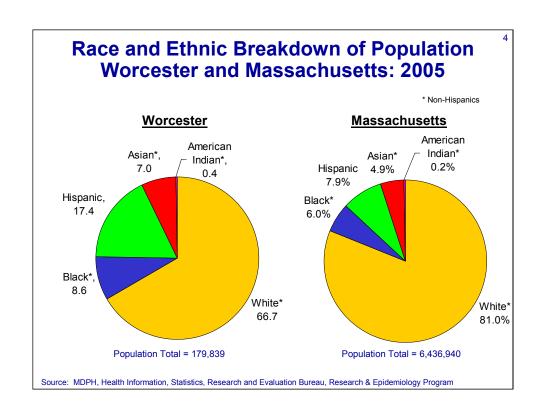
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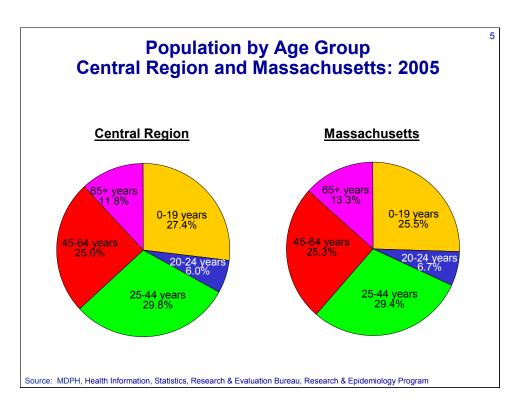
- A regional analysis has its drawbacks
- Variability within a region urban vs. rural/suburban (i.e. Worcester vs. the rest of the region)
- Variability by sub-population race matters, poverty matters
- Our data don't reflect all the important health indicators







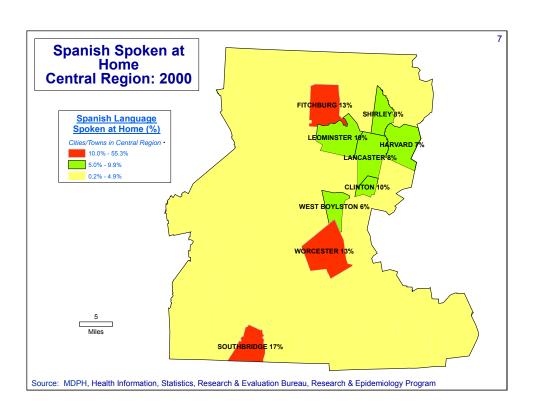




		ooken at Home,
Western	Region and	Massachusetts: 2000

	Central Region	Massachusetts Overall
Only English	85.7	81.3
Spanish or Spanish Creole	5.8	6.2
Portuguese or Portuguese Creole	0.7	2.7
French	1.9	1.4
Chinese	0.3	1.2
Italian	0.6	1.0
African Languages	0.4	0.2
Russian	0.2	0.6
Vietnamese	0.7	0.5
Polish	0.7	0.5

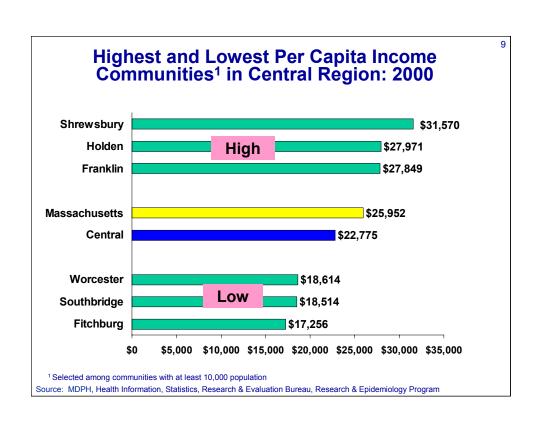
Source: MDPH, Health Information, Statistics, Research & Evaluation Bureau, Research & Epidemiology Program



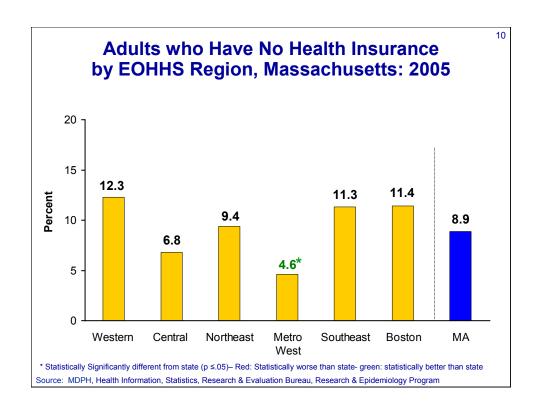
Socio-Demographic Indicators
Central Region and Massachusetts: 2000

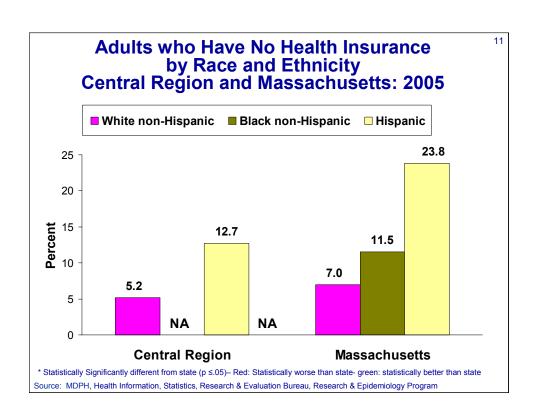
	Worcester	Central Region	Massachusetts Overall	US Overall
Per Capita Income	\$18,614	\$22,775	\$25,952	\$21,587
Those living below 100% poverty	17.9%	8.8%	9.3%	12.4%
Children < 18 living below 100% poverty	25.5%	11.2%	12.0%	16.1%
Less than a High School Education	23.3%	16.2%	15.2%	19.6%
Foreign born	14.5%	7.4%	12.2%	11.1%
Unemployed	6.9%	5.4%	5.1%	5.5%

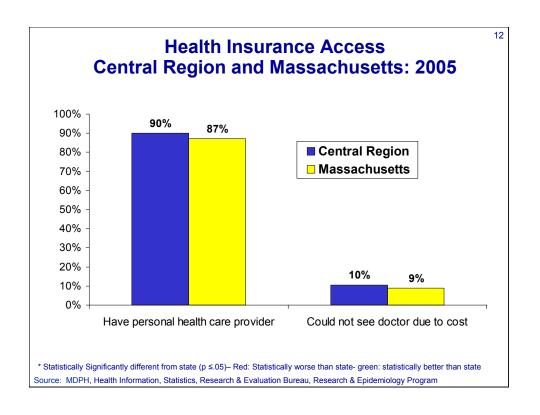
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HEALTH CARE ACCESS

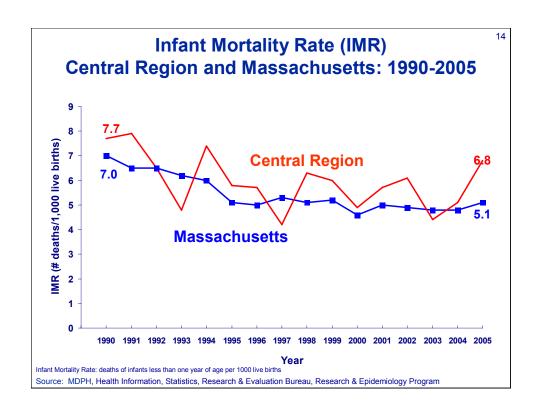


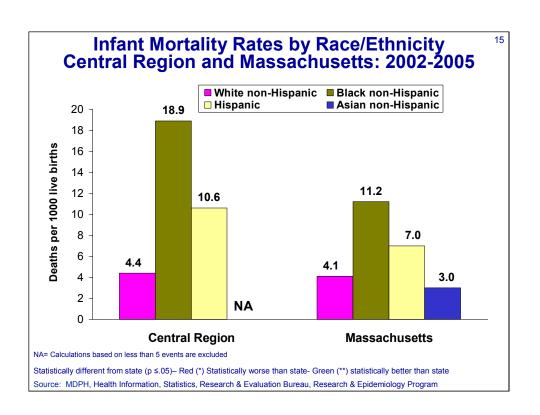


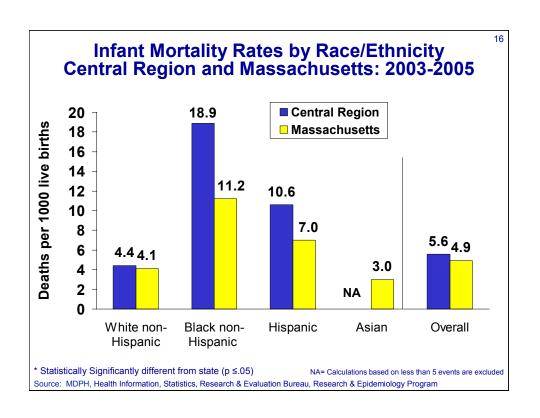


Indicator	MA Total	Western	Central	North East	Metro West	South East	Boston
% Adults with no health insurance	8.9	12.3	6.8	9.4	4.6	11.3	11.4
% Adults who have a personal health care provider	87.1	85.3	90.0	85.8	90.3	88.2	78.3
% Adults who were unable to see a doctor due to cost	8.8	10.4	10.4	7.8	7.0	9.2	9.4

BIRTH INDICATORS







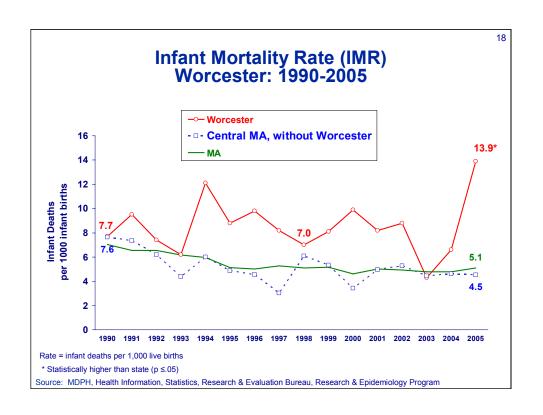
Highest Infant Mortality Rates
Among the 30 Largest Communities ¹
Massachusetts: 2005

IMR 95% CI² **Number of** Deaths **State** 5.1 [4.6, 5.6] 391 Worcester 13.9* [9.4,18.4] 36 Malden 11.4 [4.0, 18.7] 9 [2.9, 18.9] 7 Revere 10.9 Springfield 10.6* [6.4, 14.7] 25 **New Bedford** 8.6 [3.8, 13.5] 12

 1 Selected among the 30 Massachusetts communities with the largest populations. IMR = infant deaths per 1,000 live births.

²A Confidence Interval for a population parameter is a range in which you are 95% certain that the true population estimate is within. It is a function of variability and the number of events.

^{*} Statistically Significantly different from state (p ≤.05)– Red: Statistically worse than state- green: statistically better than state Source: MDPH, Health Information, Statistics, Research & Evaluation Bureau, Research & Epidemiology Program



Infant Mortality Rates by Race and Ethnicity Worcester: 1990-2005

19

	White non- Hispanic	Black non- Hispanic	Hispanic	Worcester (all races)
1990	6.7		11.3	7.7
1991	5.8	28.4	18.8	9.5
1992	5.4	27.5		7.4
1993	9.4		8.8	6.2
1994	14.3			12.1
1995	6.8		11.6	8.8
1996	10.6			9.8
1997	8.6			8.2
1998	4.4	32.0		7.0
1999	6.5	20.4	9.8	8.1
2000	6.6	31.5		9.9
2001	5.3	29.5		8.2
2002	6.9	19.5	10.3	8.8
2003		17.4		4.3
2004		21.9	10.3	6.6
2005	11 1	15.7	24.2	13.0

Rate = infant deaths per 1,000 live births.
-- Calculations based on less than 5 events are excluded.

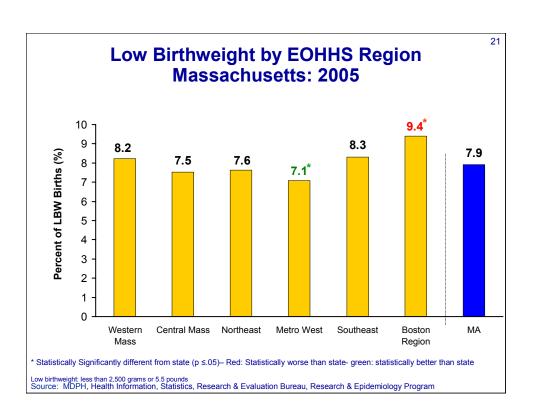
Source: MDPH, Health Information, Statistics, Research & Evaluation Bureau, Research & Epidemiology Program

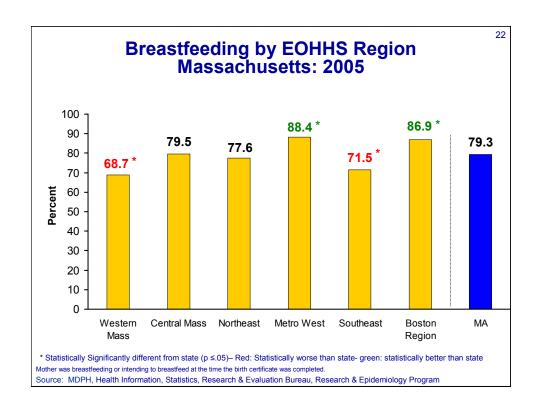
Highest IMR – 3 Year Averages Among the 30 Largest Communities¹ Massachusetts: 2003-2005 20

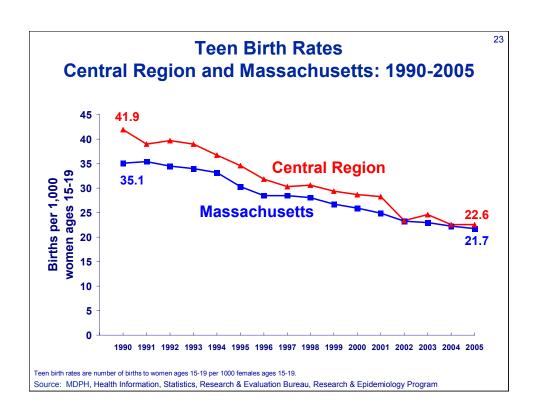
	2003-2005 Rate
Massachusetts	4.9 (n = 1,150)
Worcester Lowell Brockton Lawrence Weymouth Springfield	8.3 (n = 64) * 7.8 (n = 39) * 7.6 (n = 35) 7.5 (n = 32) 7.5 (n = 16) 7.1 (n = 51)

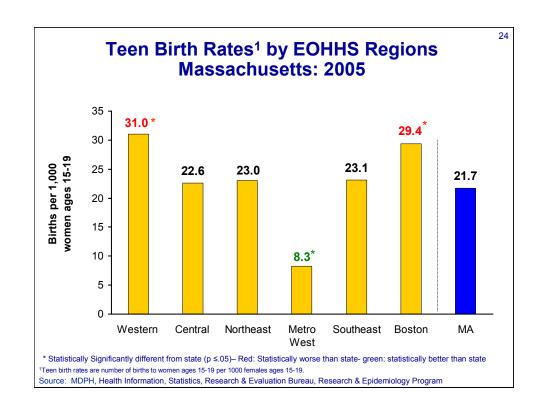
^{*} Statistically Significantly different from state (p ≤.05)— Red: Statistically worse than state- green: statistically better than state

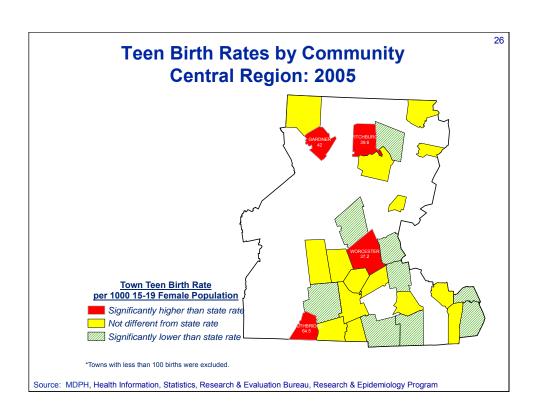
¹Selected among the 30 Massachusetts communities with the largest populations. Rate = infant deaths per 1,000 live births Source: MDPH, Health Information, Statistics, Research & Evaluation Bureau, Research & Epidemiology Program

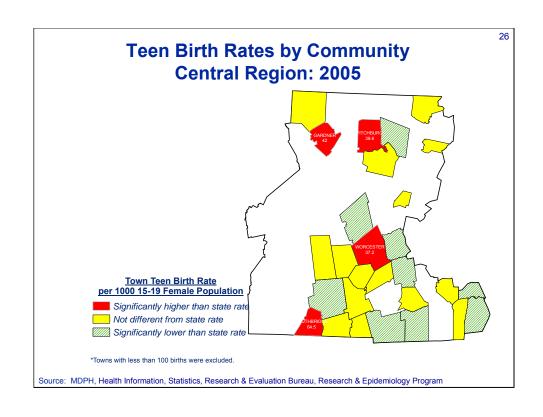


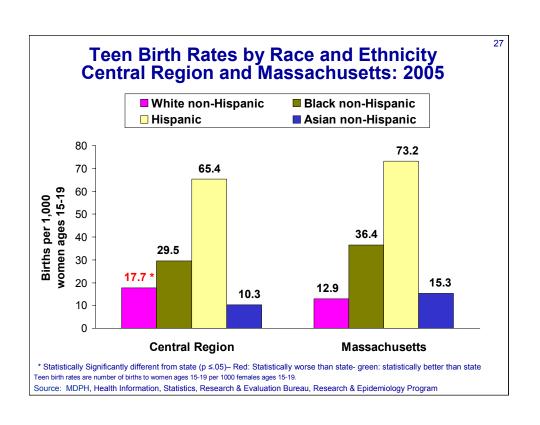


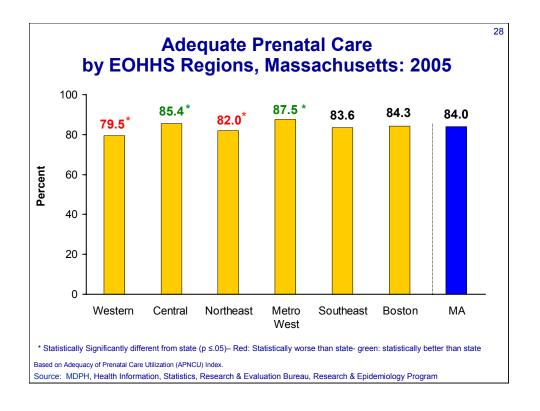


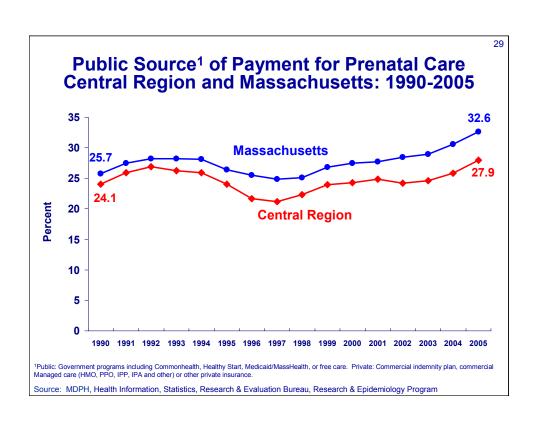


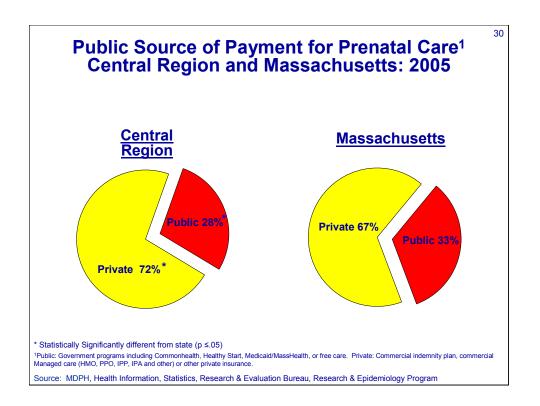


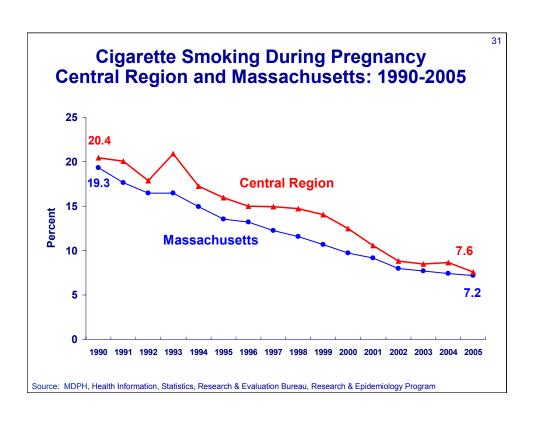


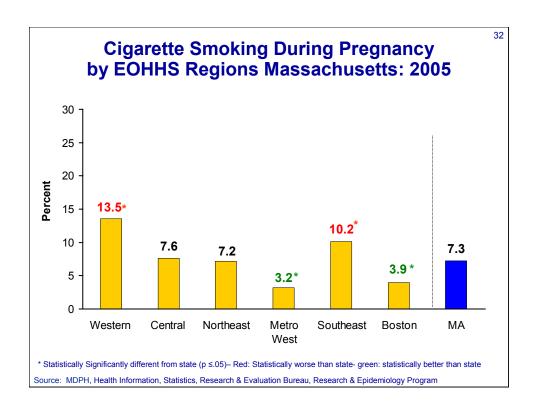




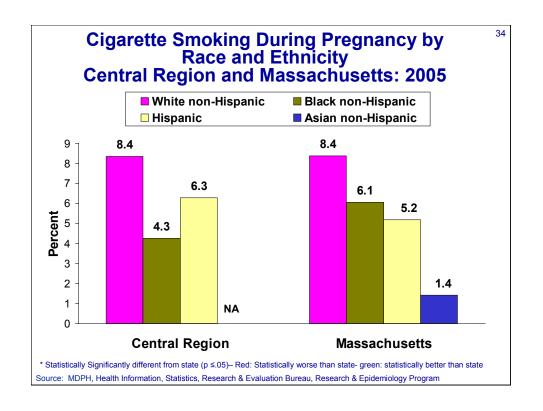


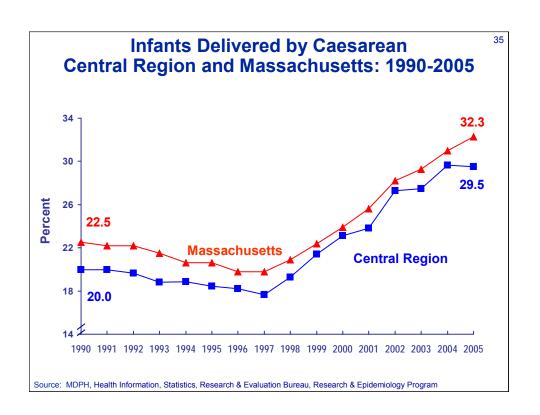


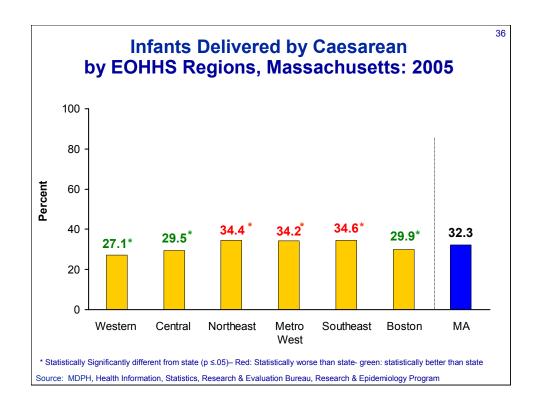


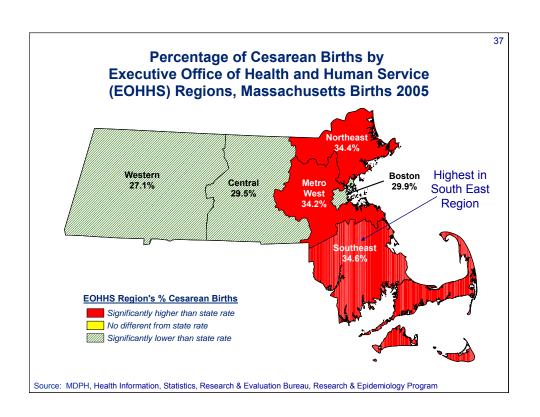


Larges Centra	st Comm al Regio	n: 2005	
	<u>%</u>	<u>Smokers</u>	<u>Births</u>
Massachusetts	7.2%	5,555	76,653
Central Region	7.6%	797	10,512
Lowest			
Shrewsbury	1.6%*	7	429
Grafton	2.7%*	7	260
Holden	3.5%*	6	171
Highest			
Gardner	22.9%*	54	236
Southbridge	14.2%*	34	240
Fitchburg	12.8%*	73	571









Summary of Birth Indicators by EOHHS Regions, Massachusetts:2005							
Indicator (as % of race group births)	MA Total (n=76,824)	Western (n=8,935)	Central (n=10,532)	North East (n=15,939)	Metro West (n=17,093)	South East (n=14,681)	Boston (n=9,644)
Adequate Prenatal Care (Kotelchuck index)	84.0	79.5	85.4	82.0	87.5	83.6	84.3
C-section deliveries	32.3	27.1	29.5	34.4	34.2	34.6	29.9
Low Birth weight (<5.5 lb)	7.9	8.2	7.5	7.6	7.1	8.3	9.4
Breastfeeding	79.3	68.7	79.5	77.6	88.4	71.5	86.9
Public Pay for Prenatal Care	32.6	47.4	27.9	33.7	17.2	34.7	46.4
Smoking during pregnancy	7.1	13.5	7.6	7.2	3.2	10.2	3.9
Bette	r Outcome (sign	,	,			ntly different fro	m state)

		ı					
Indicator	MA Total	Western	Central	North East	Metro West	South East	Boston
Infant Mortality Rate (infant deaths per 1000 live births)	4.9	5.6	5.4	4.7	4.0	4.8	5.7
Teen birth rate (births to women ages 15-19 per 1000 women ages 15-19)	21.7	31.0	22.9	23.0	8.3	23.1	29.4

LEADING CAUSES OF DEATH

Leading Causes of Death Central Region and Massachusetts:2005

Central Region N=6,954				
Heart Disease	1,753	25.2%		
Cancer	1,644	23.6%		
Stroke	405	5.8%		
Chronic Lower Respiratory Disease (formerly COPD)	399	5.7%*		
All Injuries	329	4.7%		
Influenza and pneumonia	263	3.8%		
Alzheimer's	204	2.9%		
Diabetes	185	2.7%		
Nephritis	148	2.1%**		
Septicemia	108	1.6%		

Massachusetts N=53,776					
Heart Disease	13,248	24.6%			
Cancer	13,159	24.5%			
Stroke	2,979	5.5%			
All Injuries	2,657	4.9%			
Chronic Lower Respiratory Disease (formerly COPD)	2,643	4.9%			
Influenza and pneumonia	1,932	3.6%			
Alzheimer's	1,635	3.0%			
Nephritis	1,403	2.6%			
Diabetes	1,271	2.4%			
Septicemia	982	1.8%			

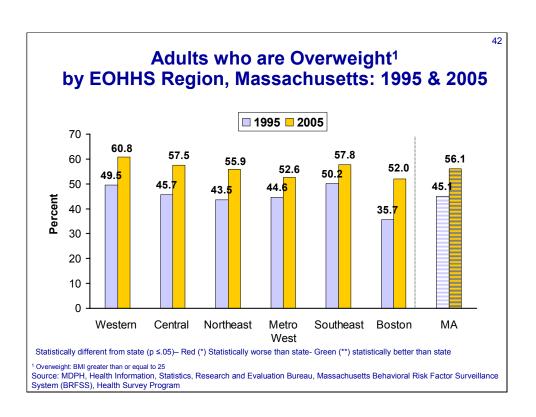
^{*} Statistically Significantly different from state (p ≤.05)– Red: Statistically worse than state- green: statistically better than state Source: MDPH, Health Information, Statistics, Research and Evaluation Bureau, Research & Epidemiology Program

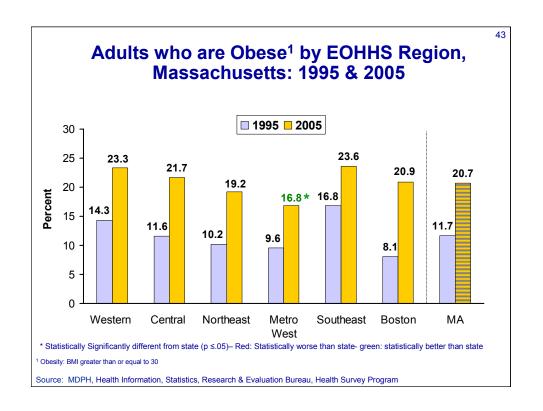
CHRONIC DISEASE OUTCOMES AND OVERWEIGHT/OBESITY

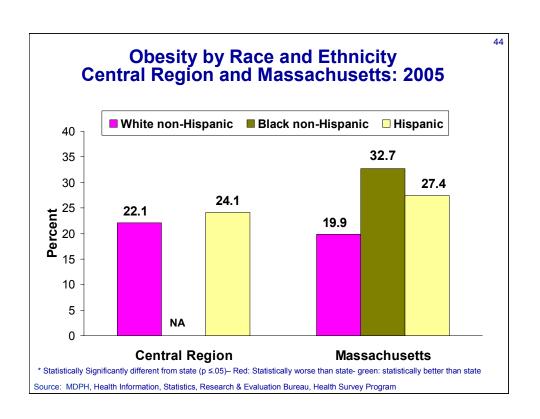
	Example:	
Overweight	and Obese	by Height

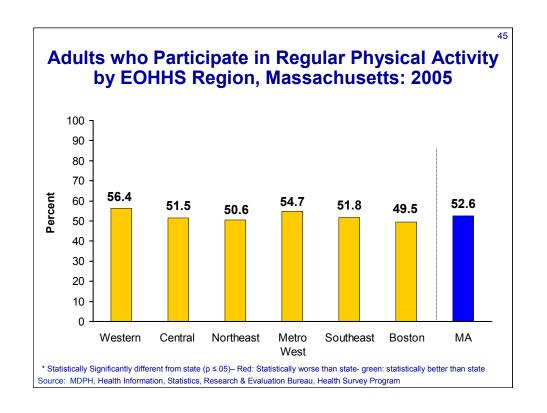
<u>Height</u>	Overweight BMI 25.0-29.9	Obesity BMI > 30
5'	128 lbs.	153 lbs.
5'2"	136	164
5'4"	145	174
5'6"	155	186
5'8"	164	197
6'	184	221
6'2"	195	234
1		

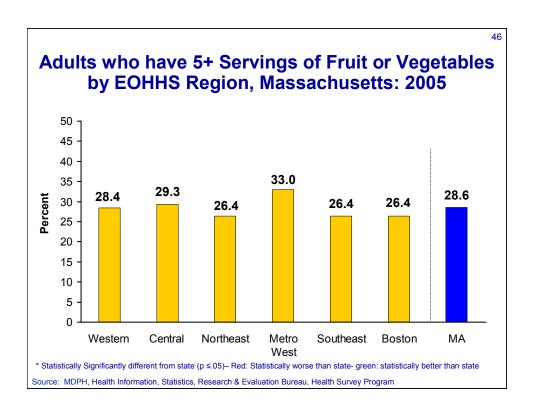
Source: MDPH, Health Information, Statistics, Research & Evaluation Bureau, Research & Epidemiology Program

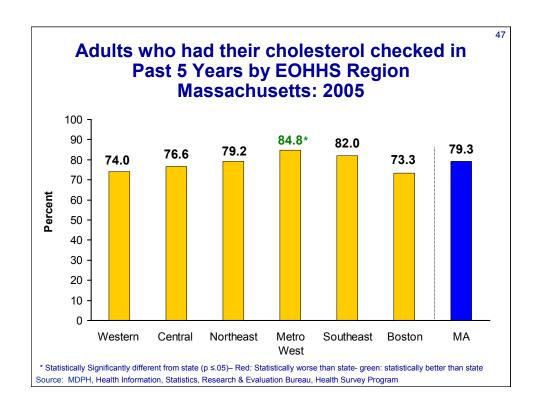


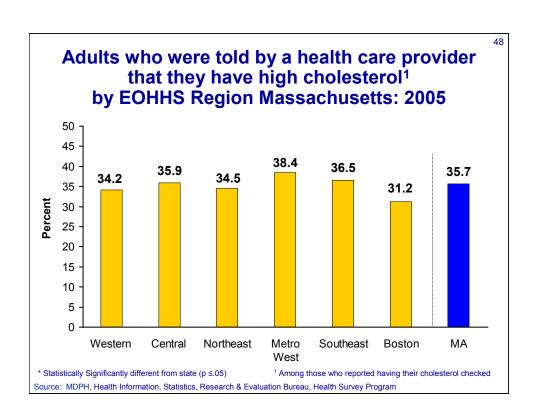


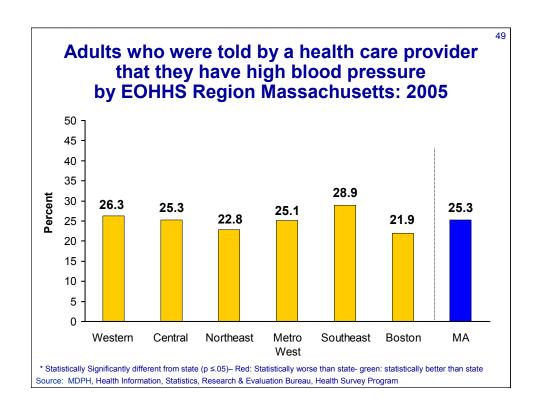


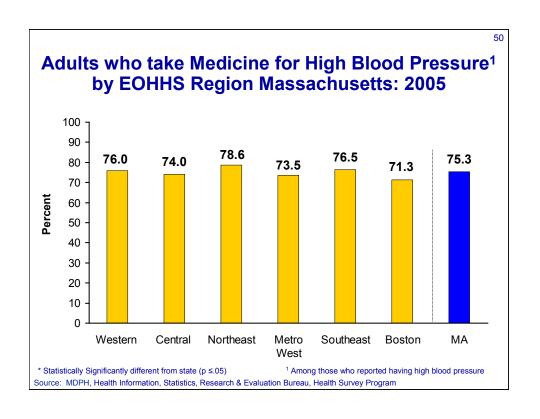


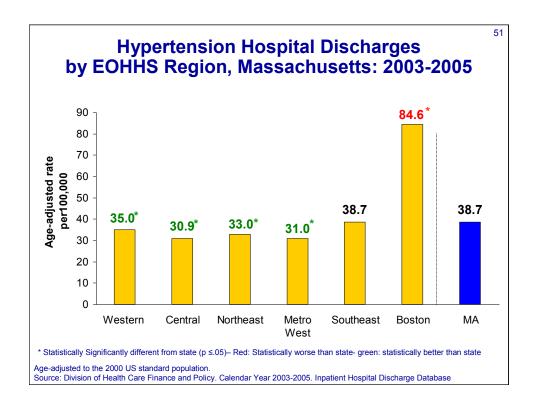


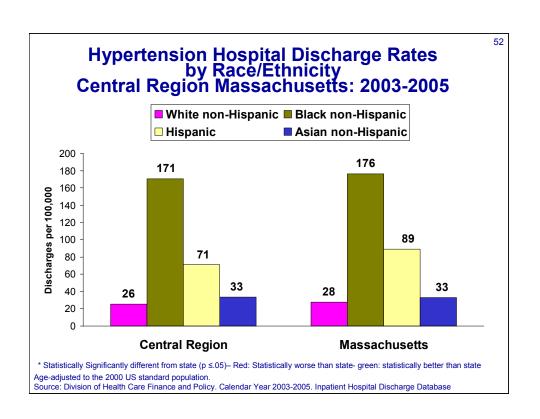


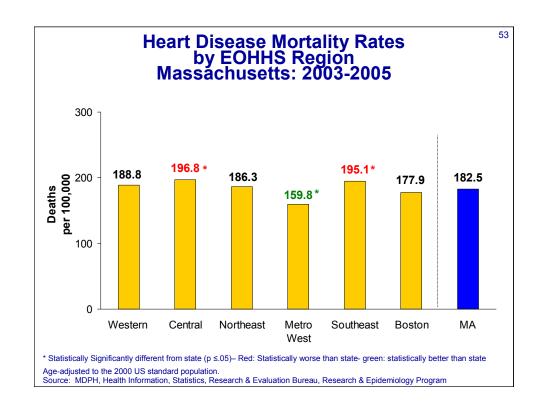


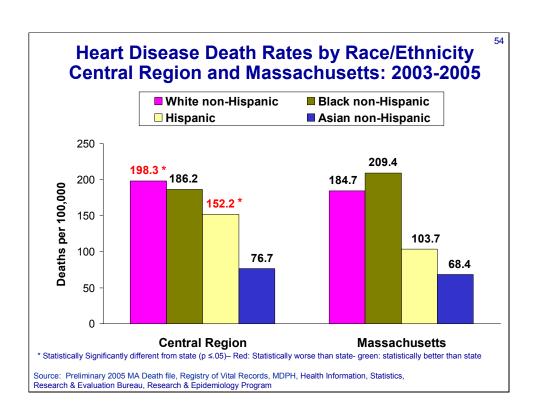


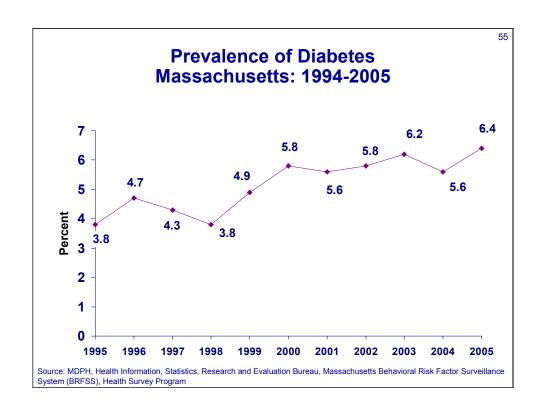


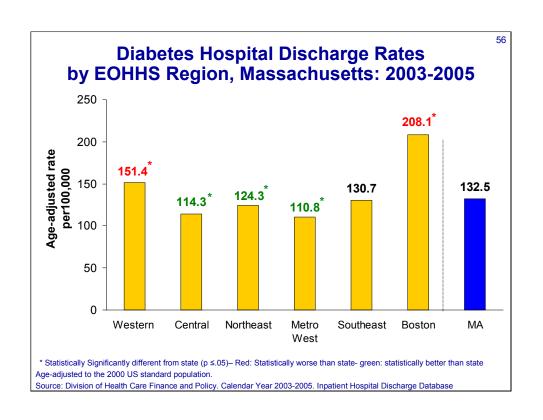


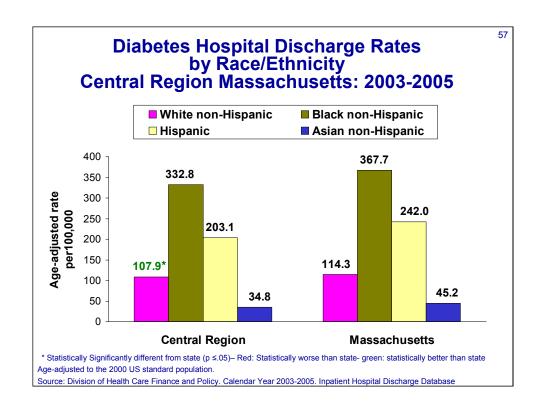


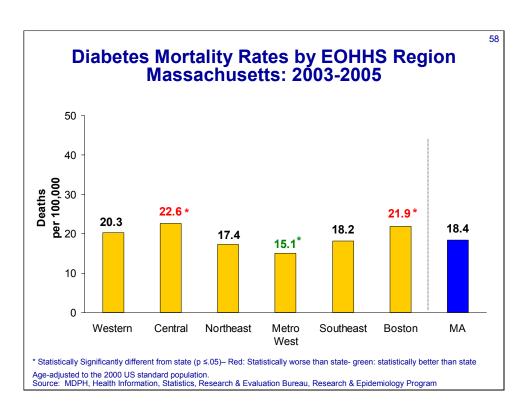


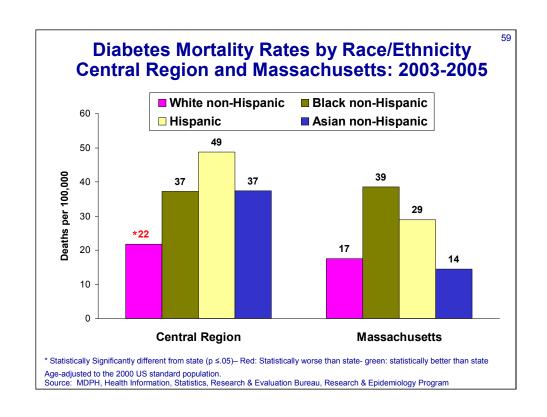








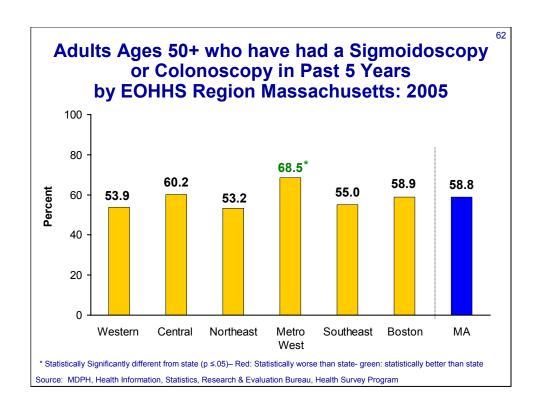


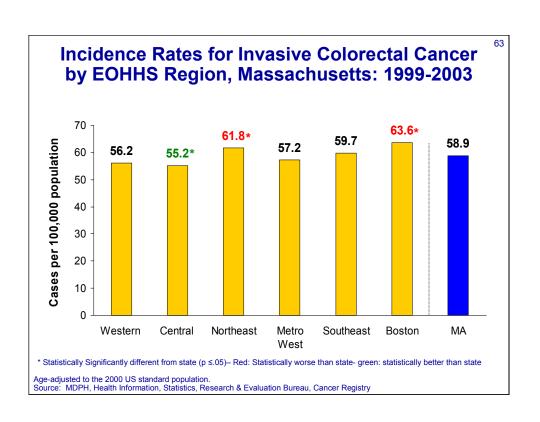


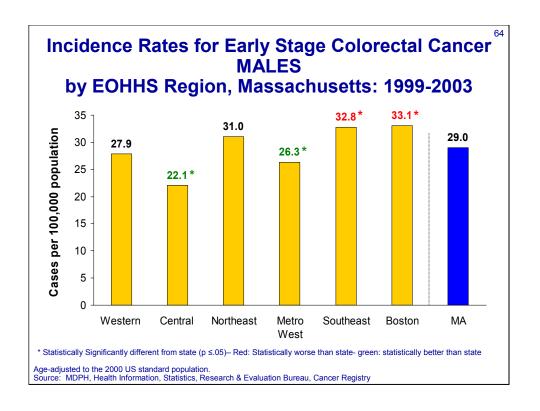
Indicator	MA Total	Western	Central	North East	Metro West	South East	Boston
% Obese Adults	20.7	23.3	21.7	19.2	16.8	23.6	20.9
% Adults Participation in regular PA	52.6	56.4	51.5	50.6	54.7	51.8	49.5
% Adults with 5+ servings fruits/ vegetables	28.6	28.4	29.3	26.4	33.0	26.4	26.4
% Adults who had cholesterol checked	79.3	74.0	76.6	79.2	84.8	82.0	73.3
% Adults with high cholesterol	35.7	34.2	35.9	34.5	38.4	36.5	31.2

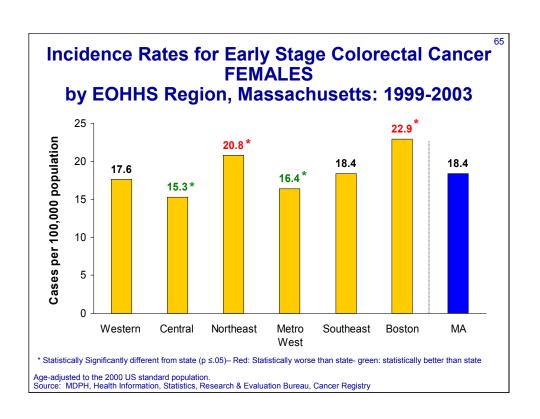
Summary Indicators for Chronic Disease Outcomes for Overweight/Obesity by EOHHS Regions Western Central North Metro South **Boston** Indicator **East** West East Total % Adults with 25.3 25.3 22.8 25.1 28.9 26.3 21.9 **HBP** % Adults take 74.0 75.3 76.0 78.6 73.5 76.5 71.3 **HBP** medications Hypertension Hospital 35.0 30.9 32.9 31.0 38.7 38.7 84.6 Discharges (2003-2005) **Heart Disease** 182.5 188.8 196.8 186.3 159.8 195.1 177.9 **Death Rate** (2003-2005) **Diabetes Hospital** Discharges 132.5 151.4 114.3 124.3 110.8 130.7 208.1 (2003-2005) **Diabetes Death** 18.4 20.3 22.6 17.3 15.1 18.2 21.9 Rate (2003-2005) Better Outcome (significantly different from state) Worse Outcome (significantly different from state)

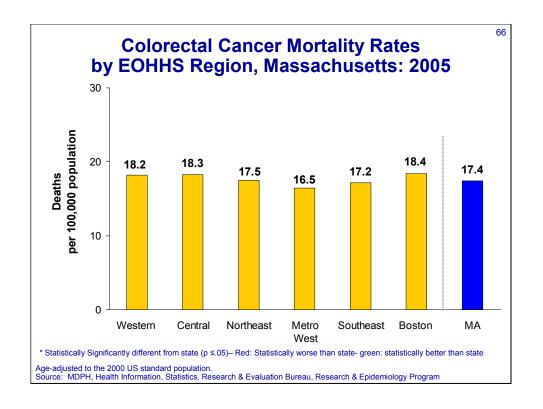
CANCER

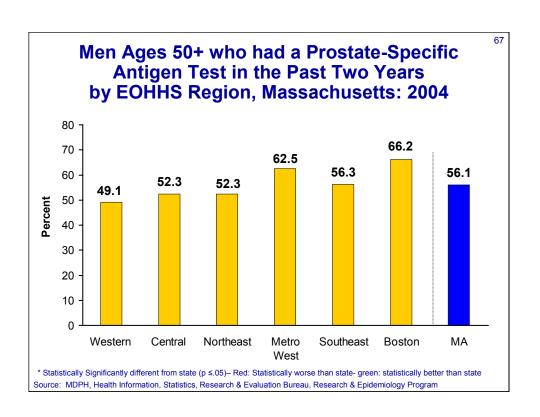


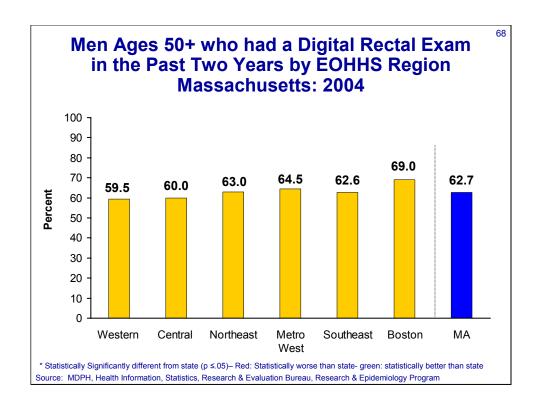


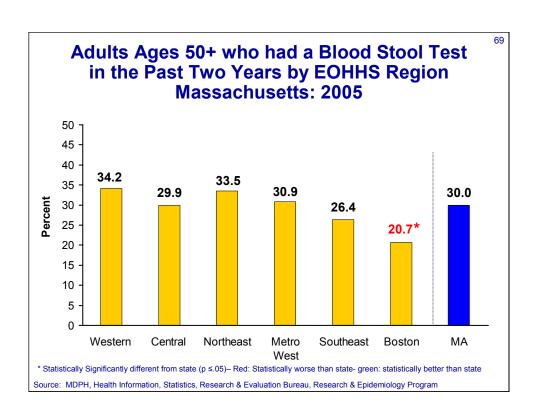


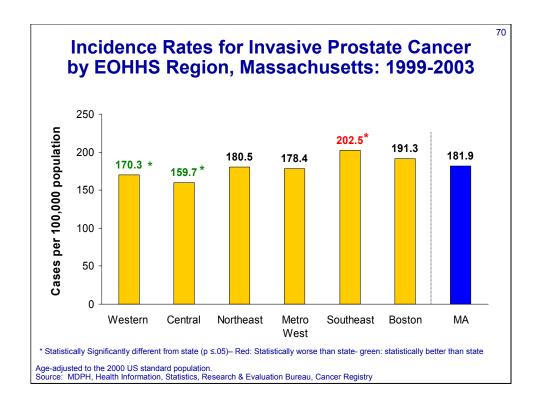


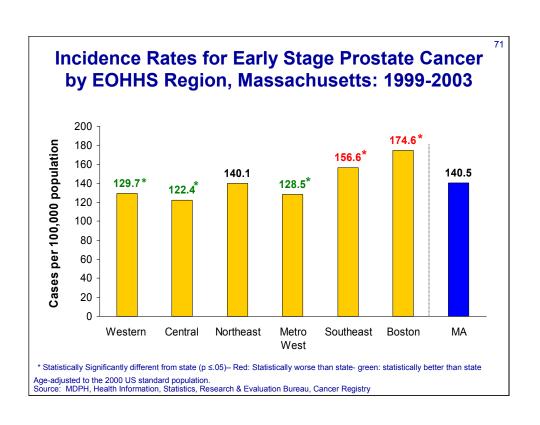


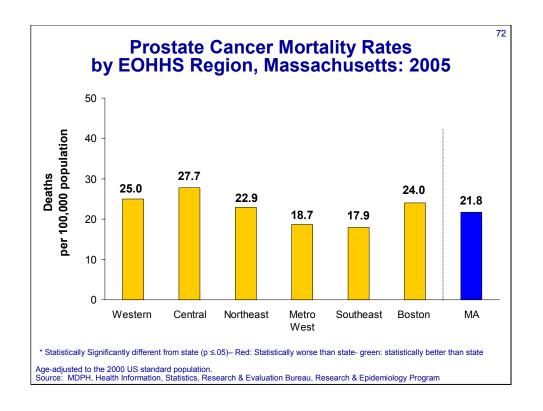


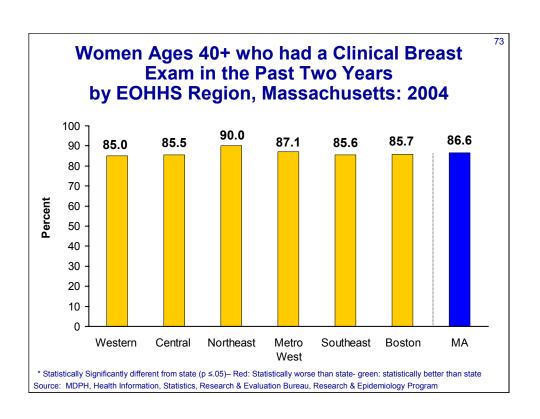


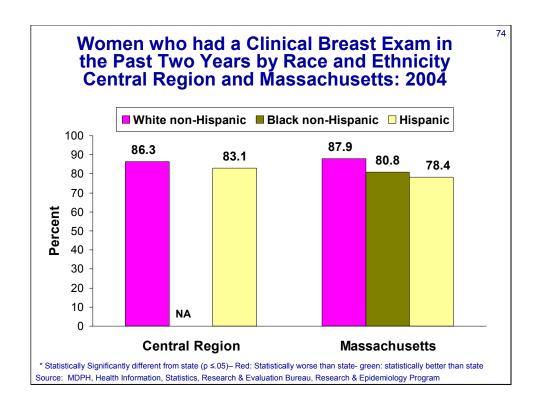


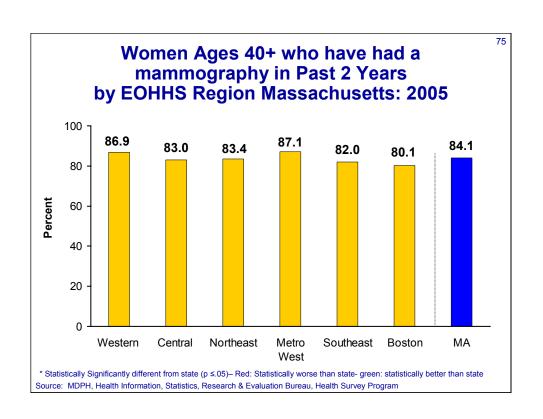


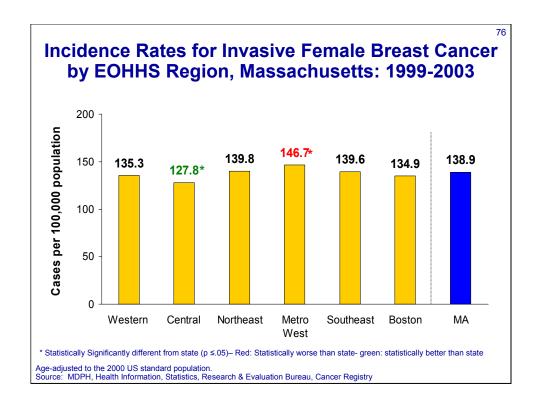


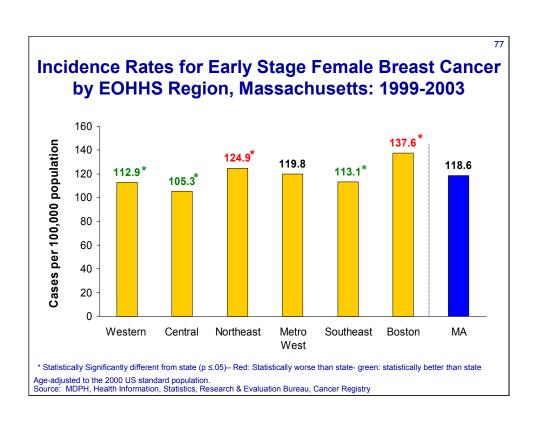


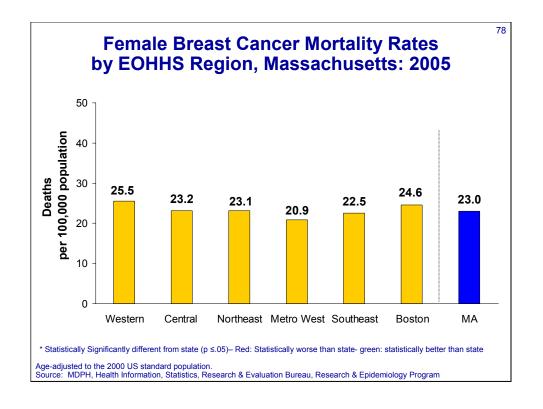


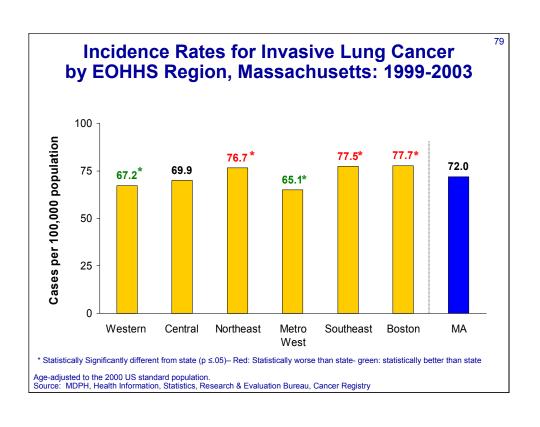


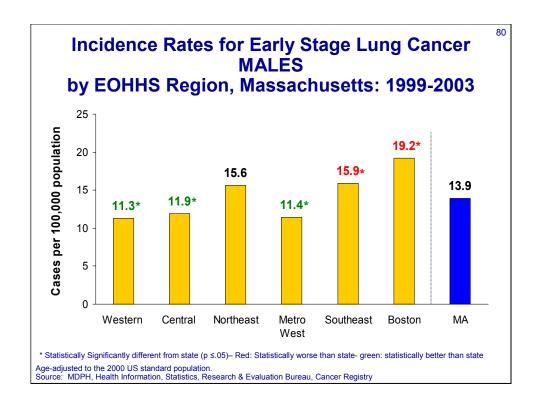


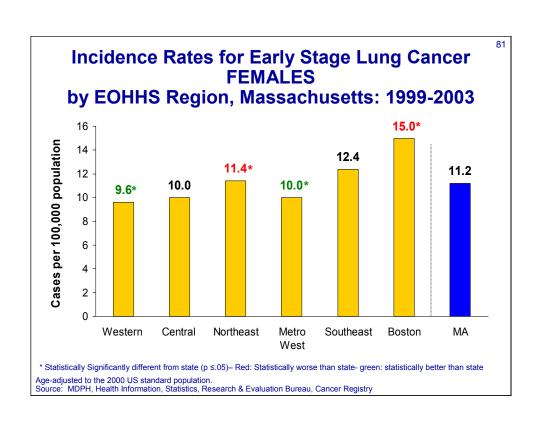


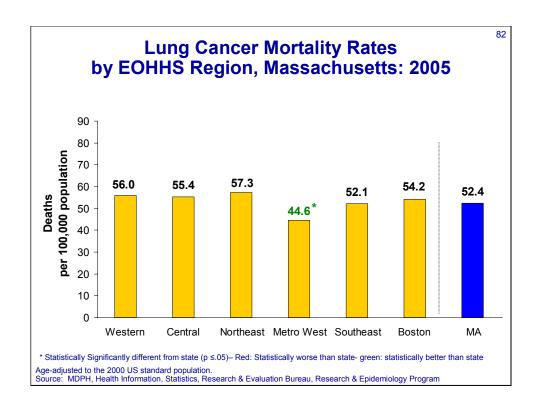


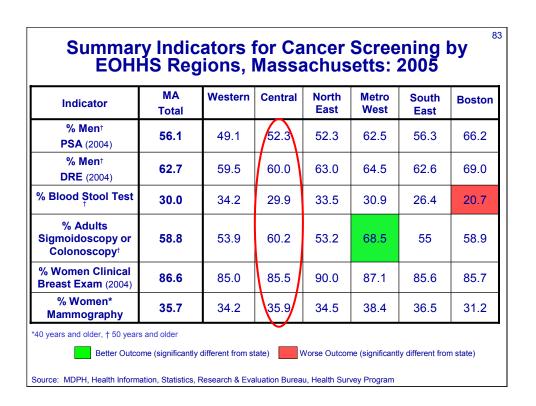


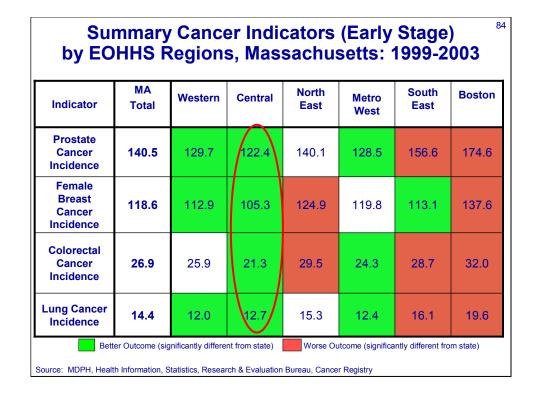




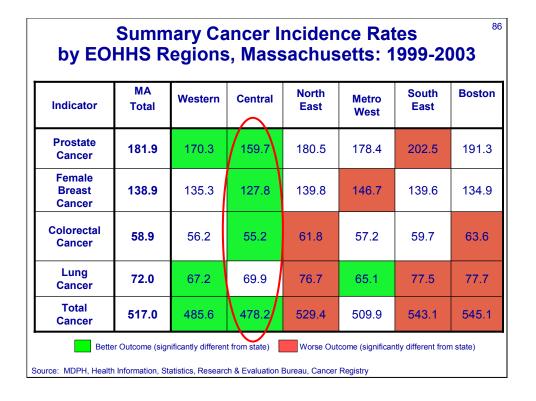






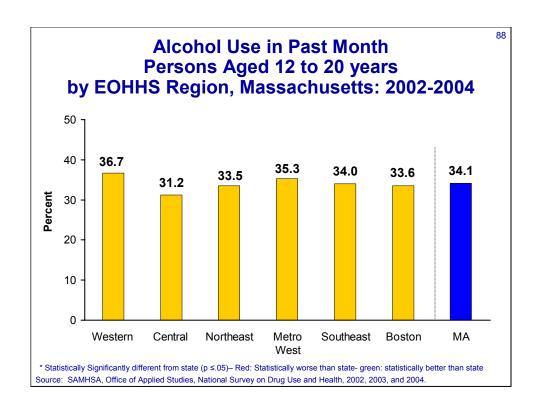


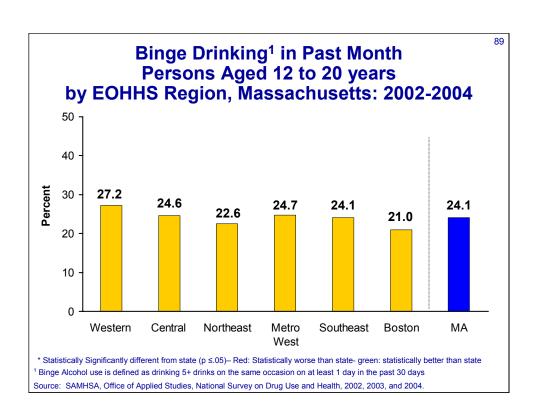
by EO	HHS F	y Canc Regions	s, Mas	sachus	setts: '	1999-2	003
Indicator	MA Total	Western	Central	North East	Metro West	South East	Boston
Prostate Cancer Incidence	5.5	4.9	5.2	5.9	3.9	6.2	8.7
Female Breast Cancer Incidence	37.8	37.9	31.7	37.0	36.8	38.4	47.3
Colorectal Cancer Incidence	33.8	30.6	32.9	35.2	30.6	34.4	42.7
Lung Cancer Incidence	50.3	45.8	48.6	54.1	41.4	55.1	63.2

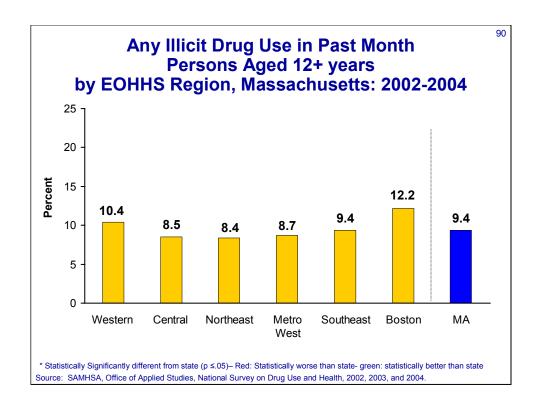


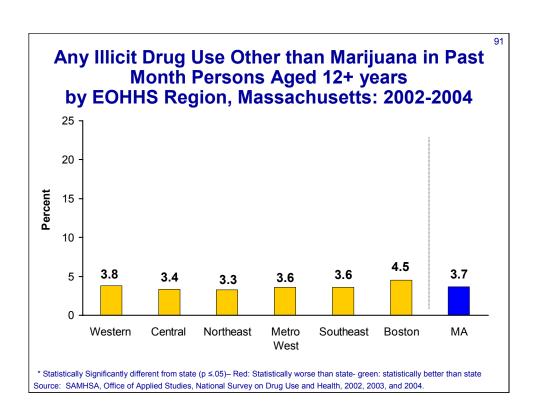
Indicator	MA Total	Western	Central	North East	Metro West	South East	Boston
Prostate Cancer Death Rate	21.8	25.0	27.7	22.9	18.7	17.9	24.0
Colorectal Cancer Death Rate	17.4	18.2	18.3	17.5	16.4	17.2	18.4
Female Breast Cancer Death Rate	23.0	25.5	23.1	23.1	20.9	22.5	24.6
Lung Cancer Death Rate	52.4	56.0	55.4	57.3	44.6	52.1	54.2

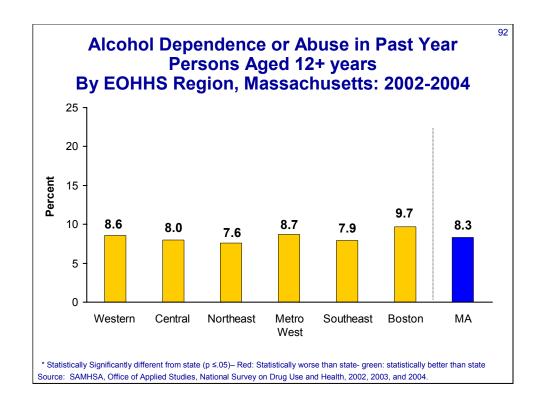
SUBSTANCE ABUSE

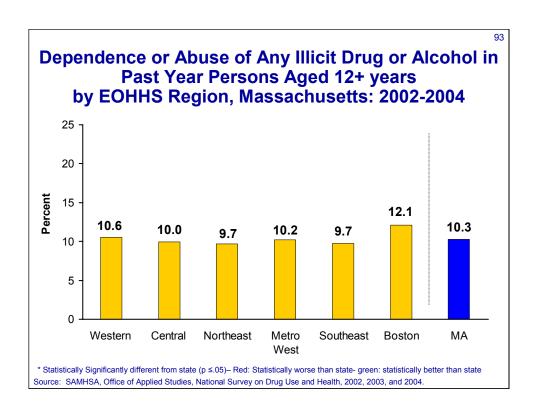


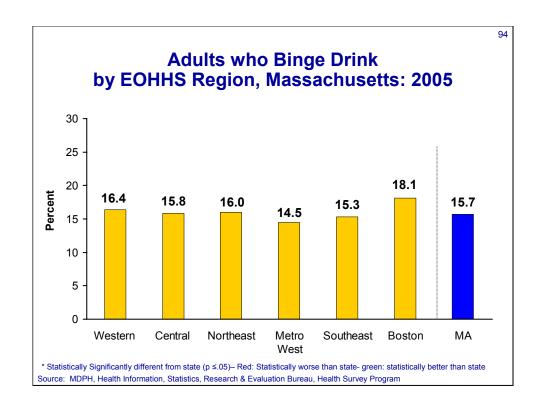


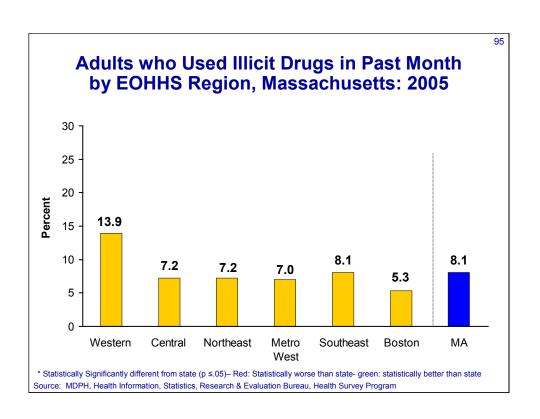


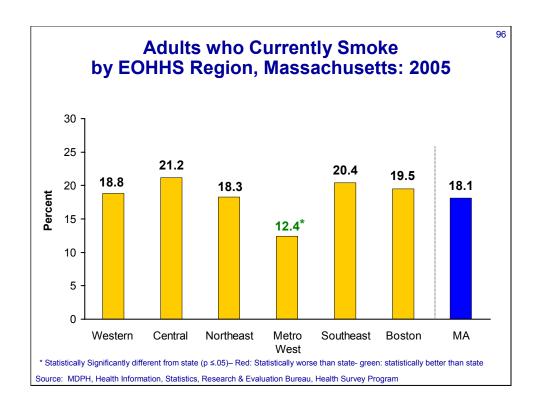


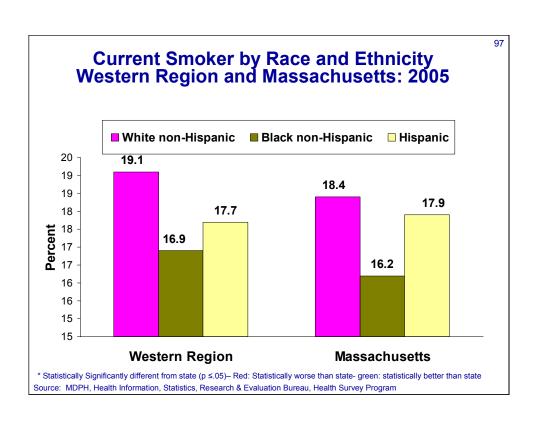


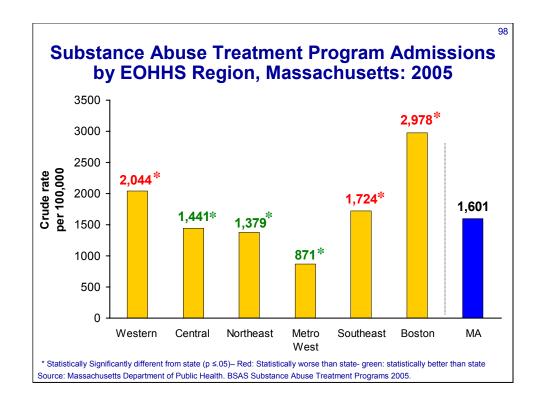


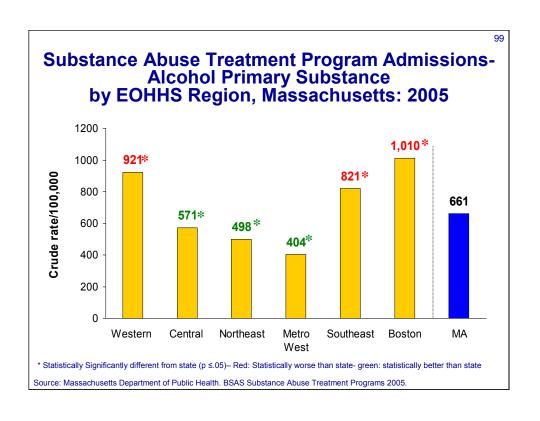


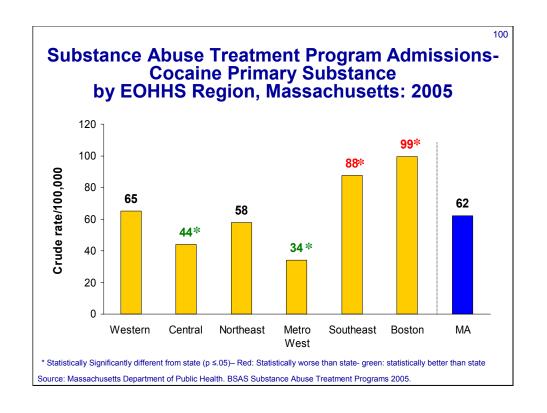


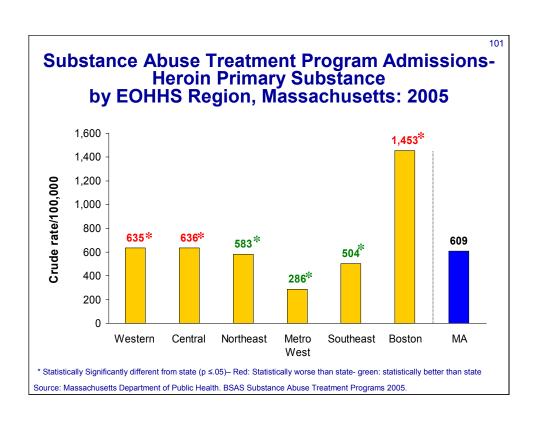


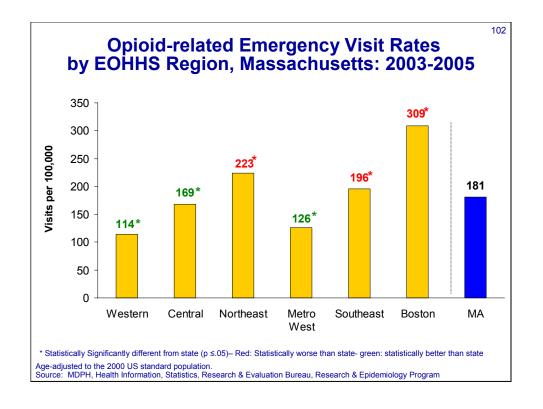


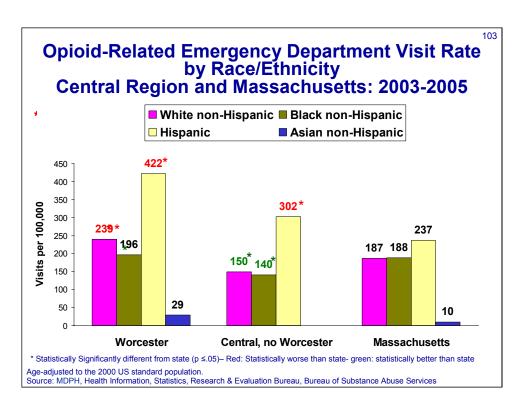


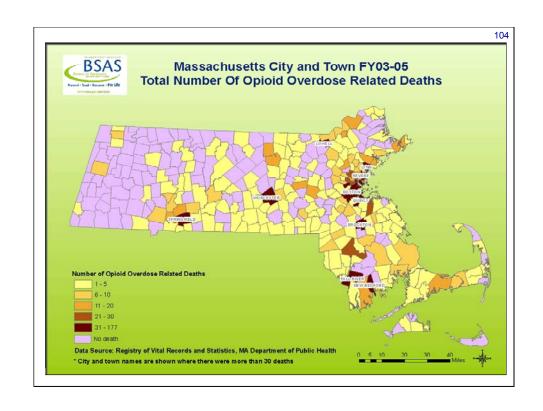


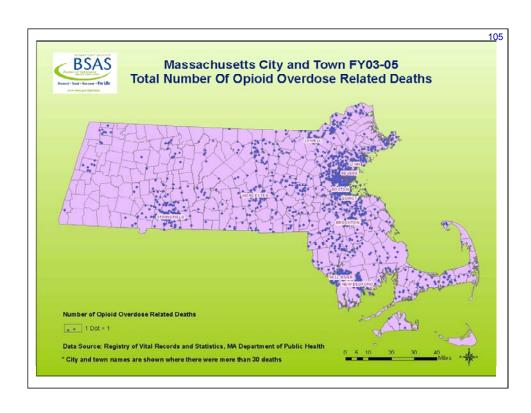


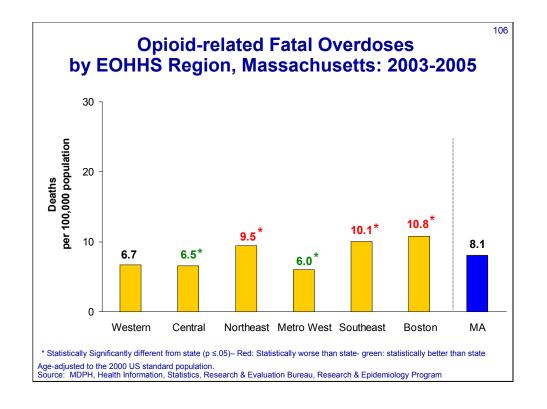


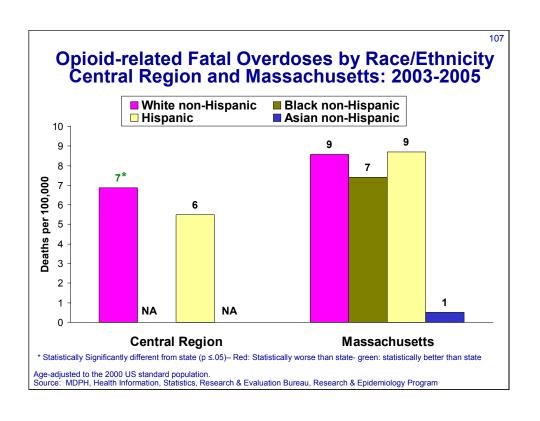


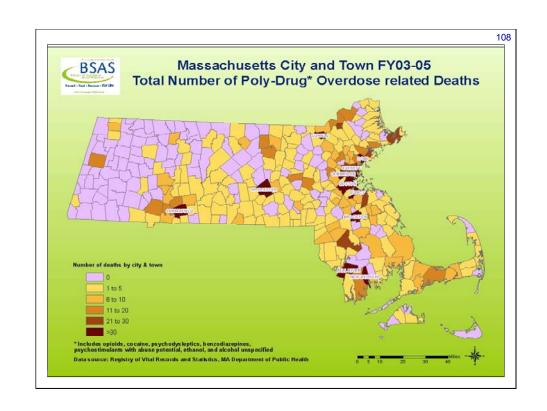


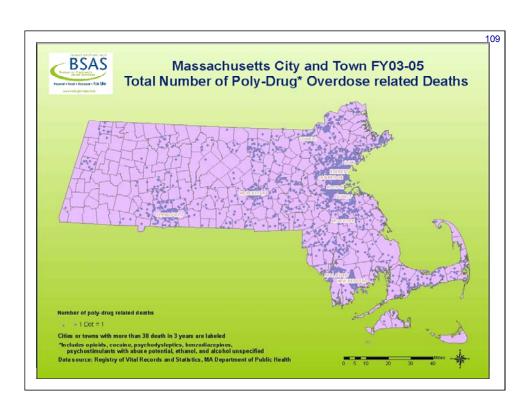






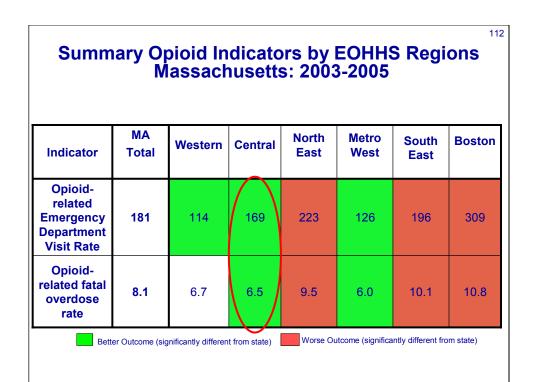




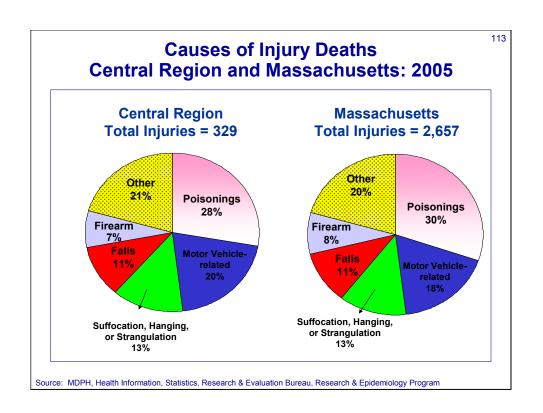


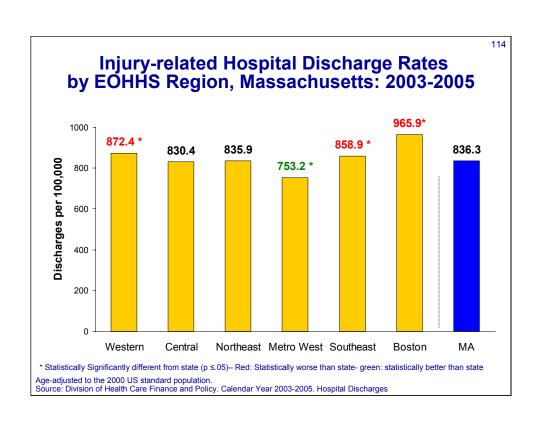
Summary Substance Abuse Indicators by EOHHS Region								
Indicator	MA Total	Western	Central	North East	Metro West	South East	Boston	
Past Month Alcohol 12-20 years	34.1	36.7	31.2	33.5	35.3	34.0	33.6	
Past Month Binge Drinking- 12-20 years	24.1	27.2	24.6	22.6	24.7	24.1	21.0	
Any Illicit Drug Use Past Month, Ages 12+	9.4	10.4	8.5	8.4	8.7	9.4	12.2	
Any Illicit Drug Use Other than Marijuana Past Month, Ages 12+	3.7	3.8	3.4	3.3	3.6	3.6	4.5	
Alcohol Dependence or Abuse past Year, Ages 12+	8.3	8.6	8.0	7.6	8.7	7.9	9.7	
Dependence or Abuse of Alcohol or Any Illicit Drug, Ages 12+	10.3	10.6	10.0	9.7	10.2	9.7	12.1	
Better Outcome (significantly different from state) Worse Outcome (significantly different from state) Source: SAMHSA, Office of Applied Studies, National Survey on Drug Use and Health, 2002, 2003, and 2004.								

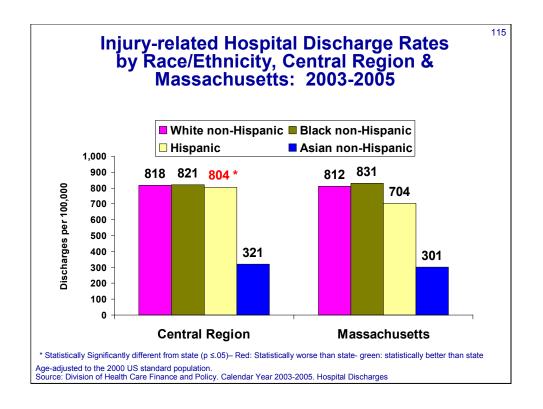
Summary Substance Abuse Indicators by EOHHS Region, Massachusetts:2005							111
Indicator	MA Total	Western	Central	North East	Metro West	South East	Boston
% Adults Binge Drinking	15.7	16.4	15.8	16.0	14.5	15.3	18.1
% Adults Smoking	18.1	18.8	21.2	18.3	12.4	20.4	19.5
% Adults using illicit drugs	8.1	13.9	7.2	7.2	7.0	8.1	5.3
Substance Abuse Treatment Program Admissions Rate	1,601	2,044	1,441	1,379	871	1,724	2,978
Substance Abuse Treatment Program Admissions Rate Alcohol	661	921	571	498	404	821	1,010
Substance Abuse Treatment Program Admissions Rate— Cocaine	62	65	44	58	34	88	99
Substance Abuse Treatment Program Admissions Rate— Heroin	609	635	636	583	286	504	1,453
Better Outcome (significantly different from state) Worse Outcome (significantly different from state)							

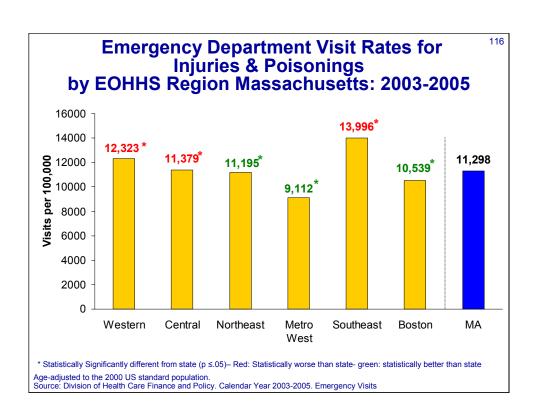


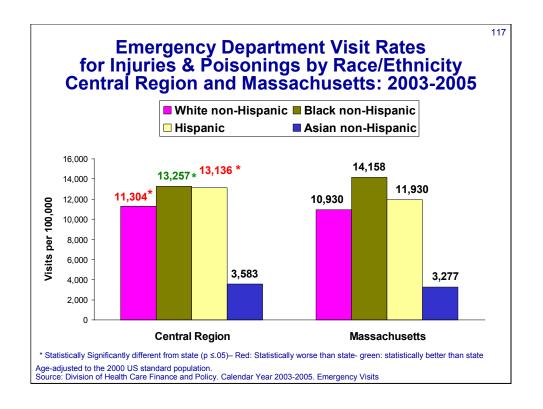
INJURY, VIOLENCE, AND OCCUPATIONAL HEALTH

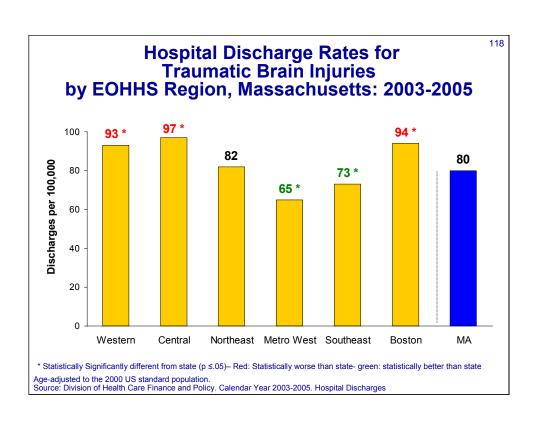


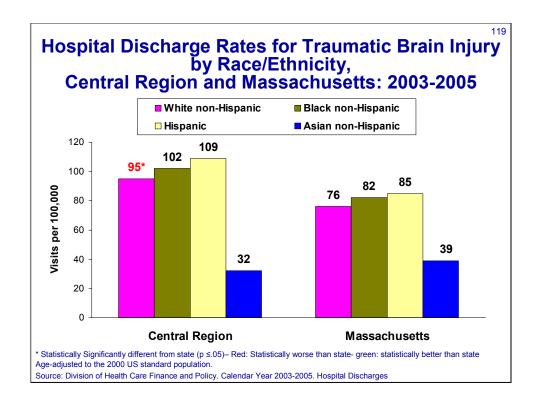


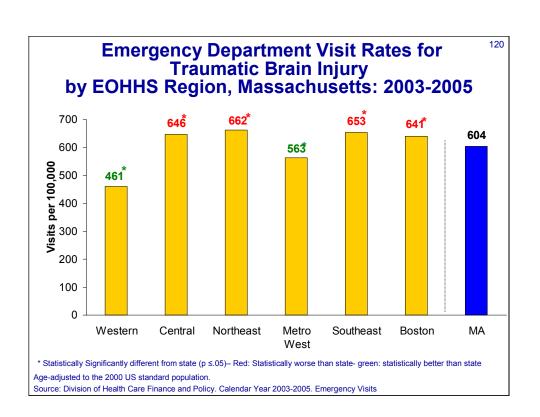


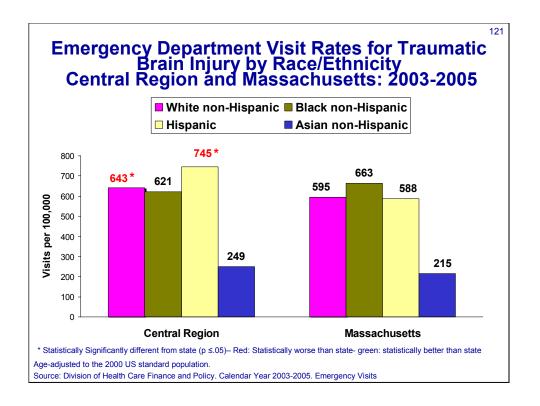


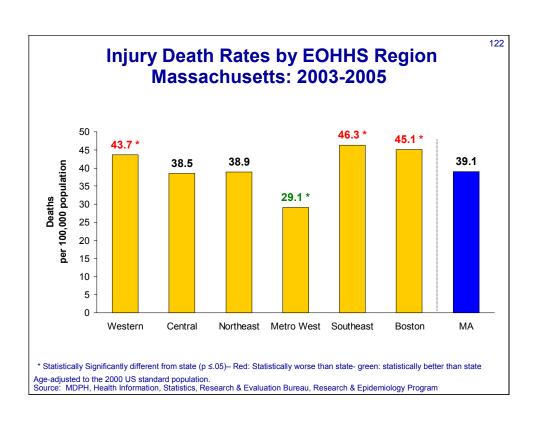


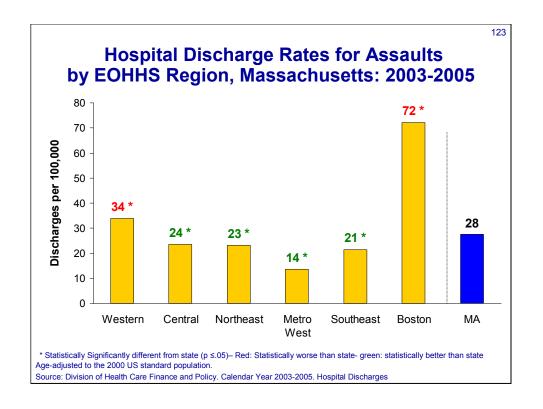


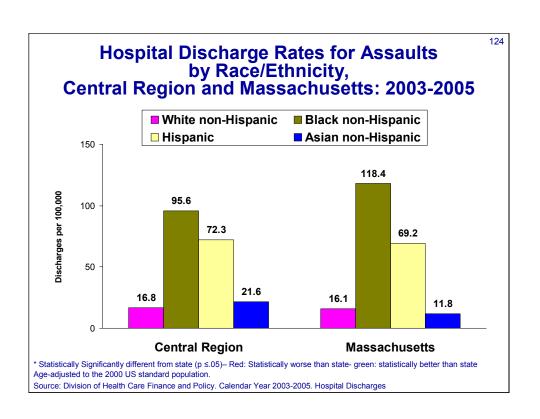


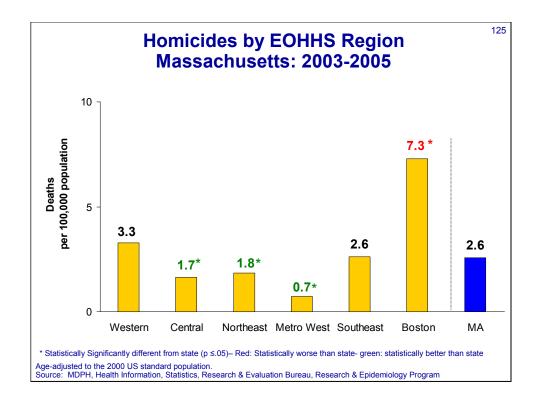


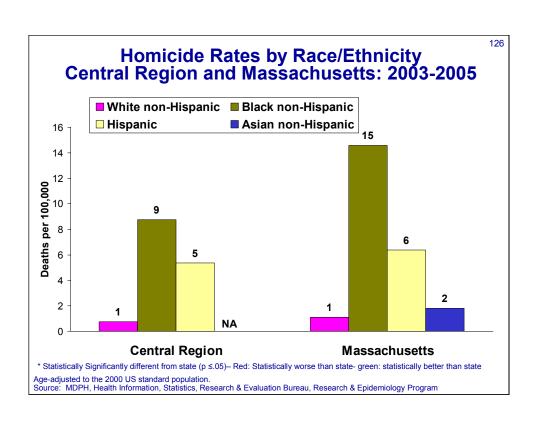


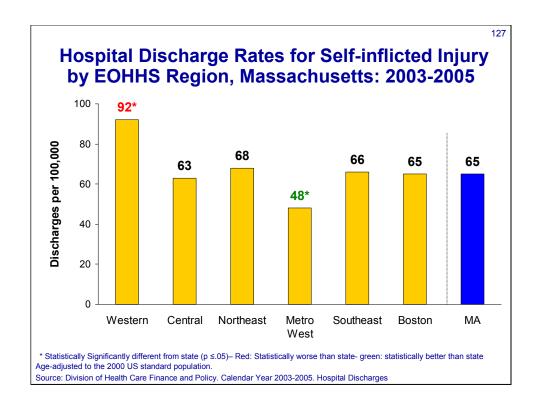


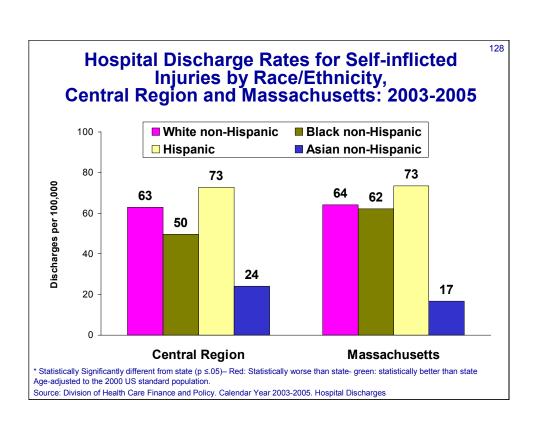


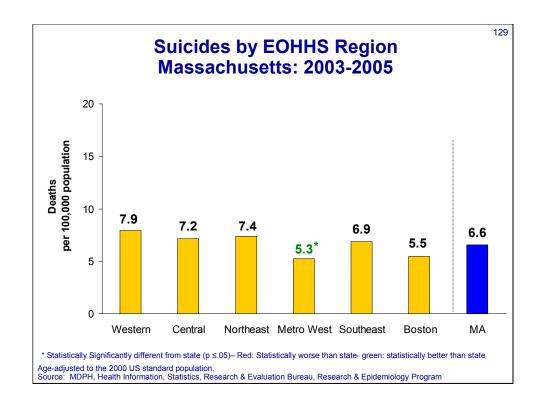


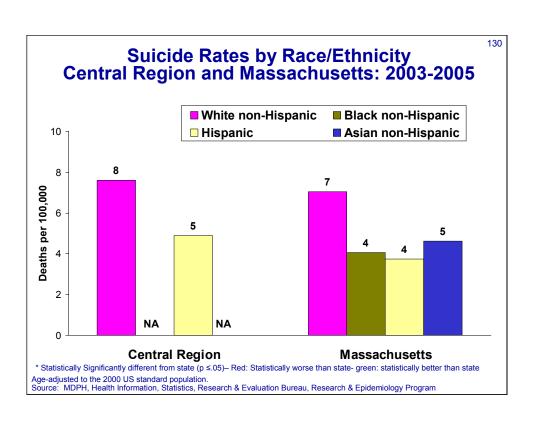


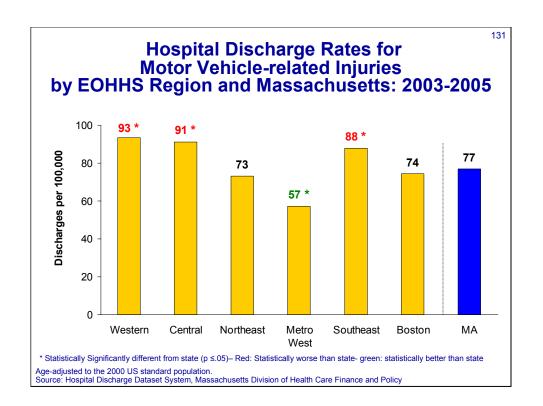


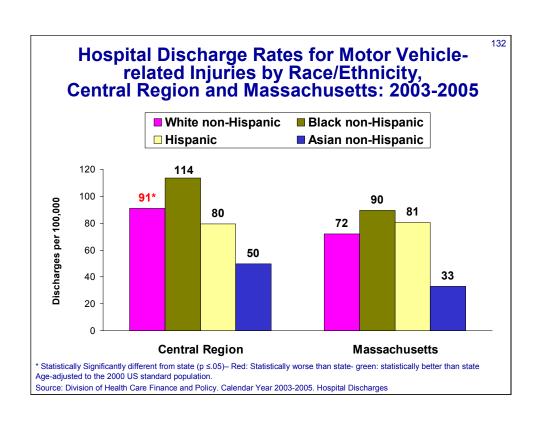


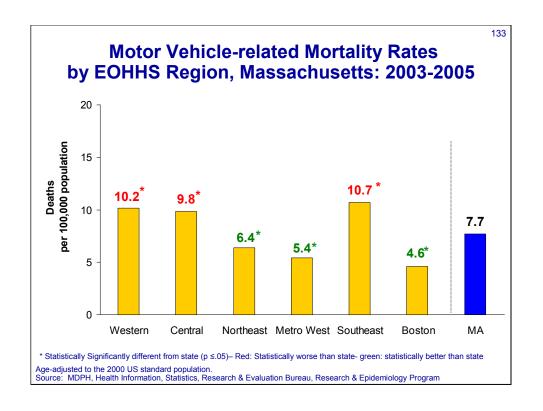


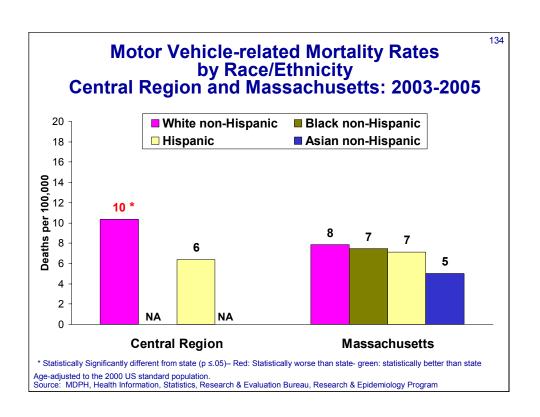


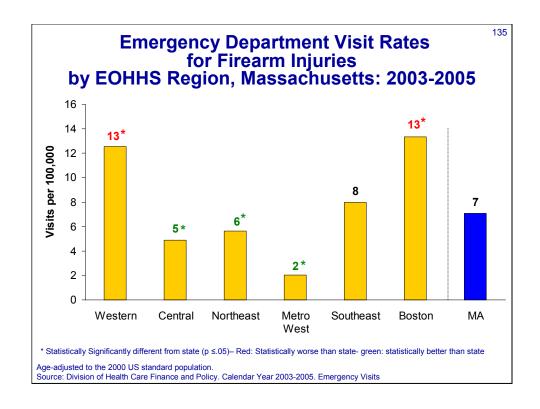


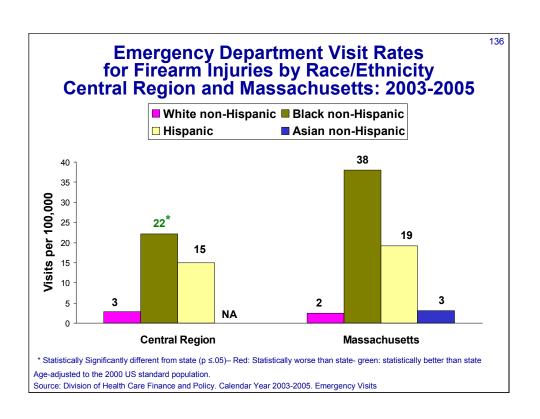


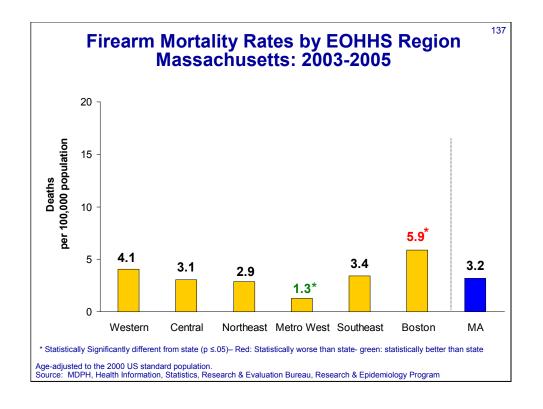


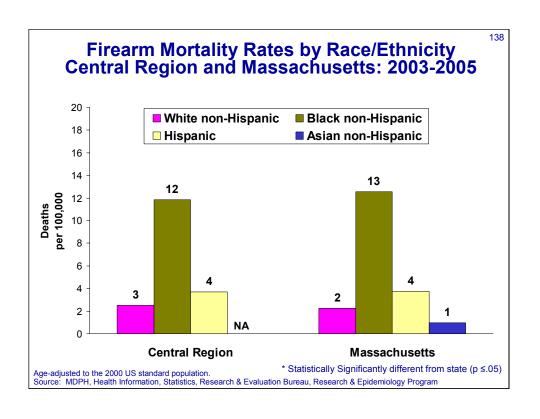


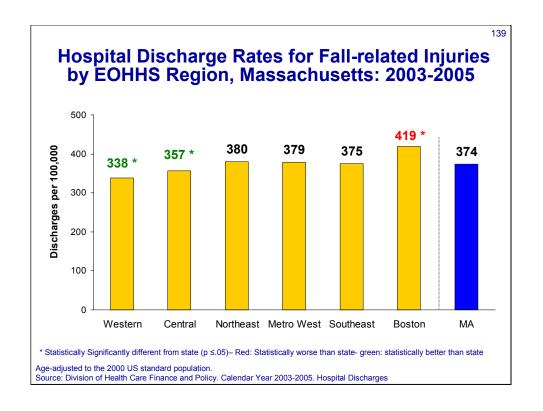


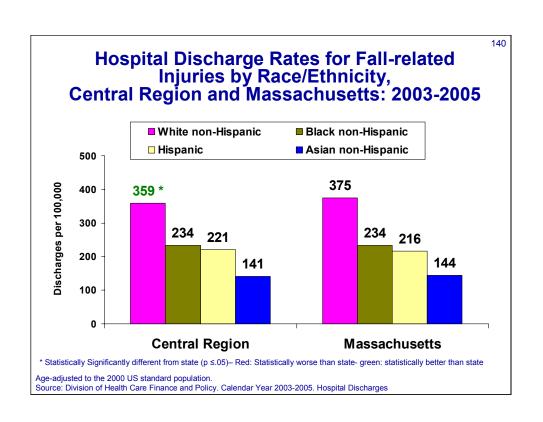


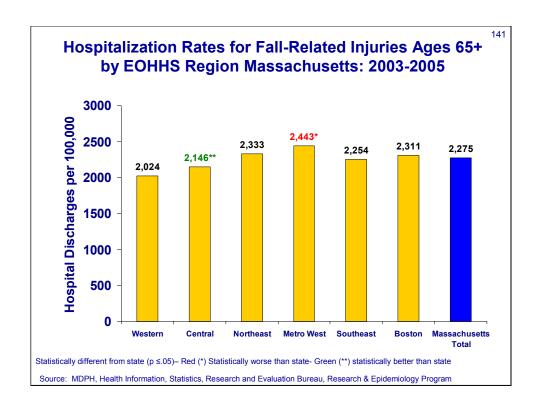


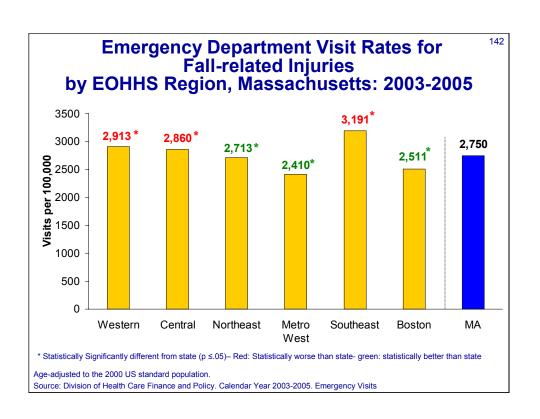


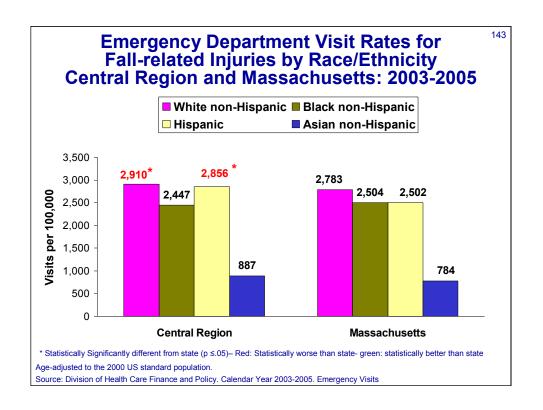


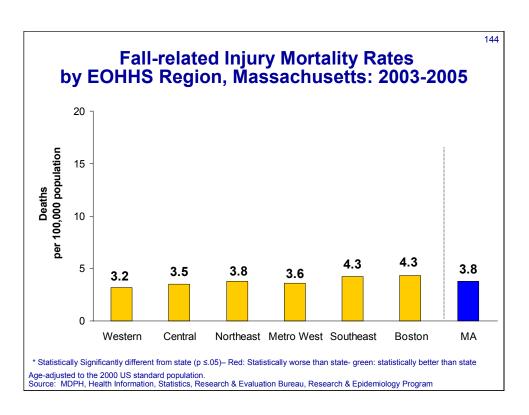


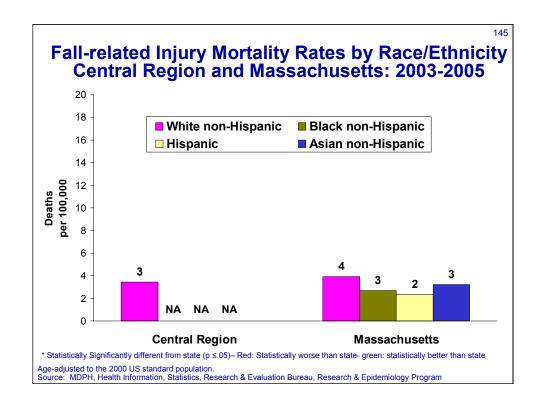


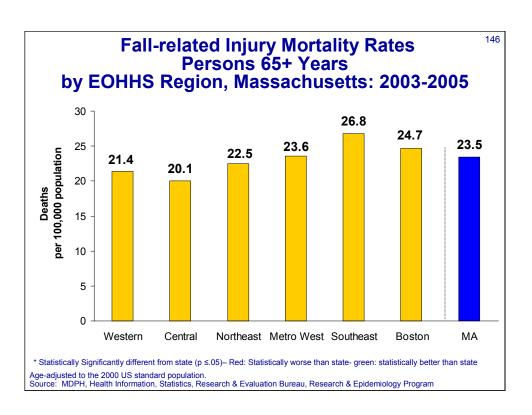


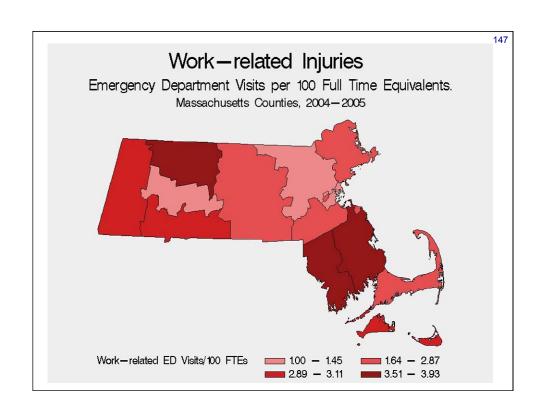


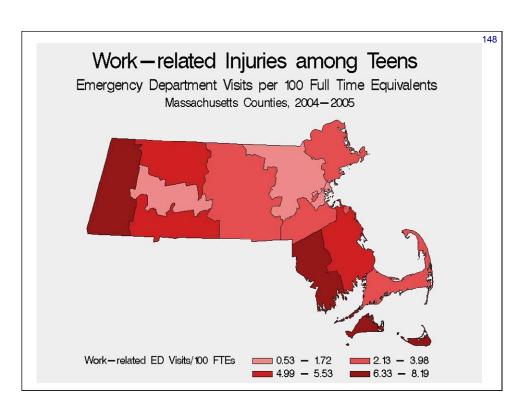


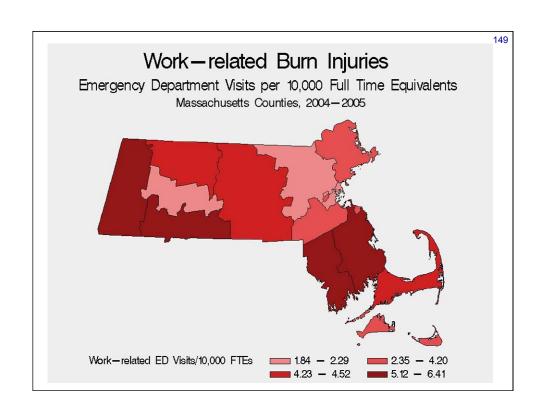


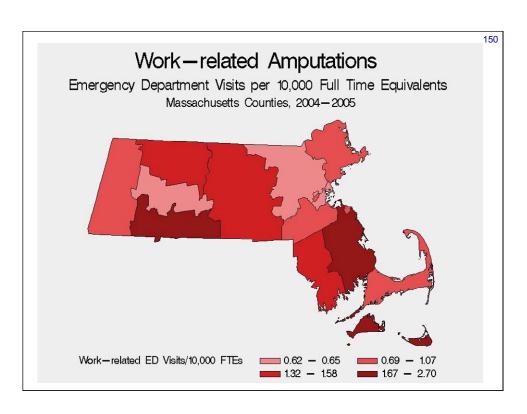


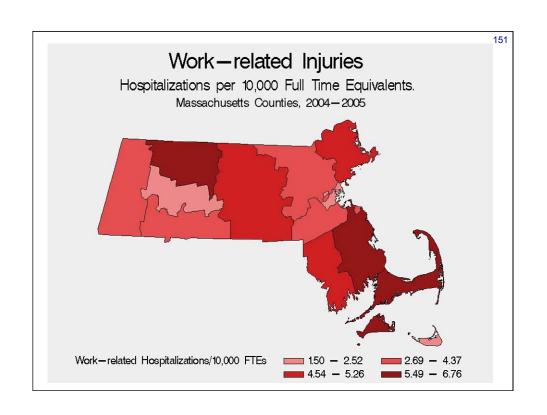


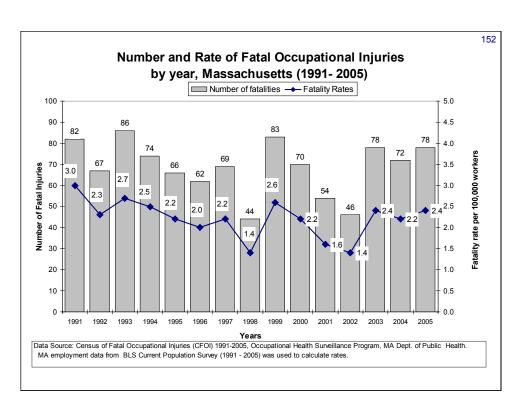












Hospital Discharge Indicator Rates (age-adjusted)	MA Total	Western	Central	North East	Metro West	South East	Boston
All Injuries	836	872	830	836	753	859	966
Fall-related injury hospitalizations	374	338	357	380	379	375	419
Traumatic Brain Injuries	80	93	97	82	65	73	94
Motor vehicle- related	77	93	91	73	57	88	74
Self-Inflicted	65	92	63	68	48	66	65
Assault	28	34	24	23	14	21	72

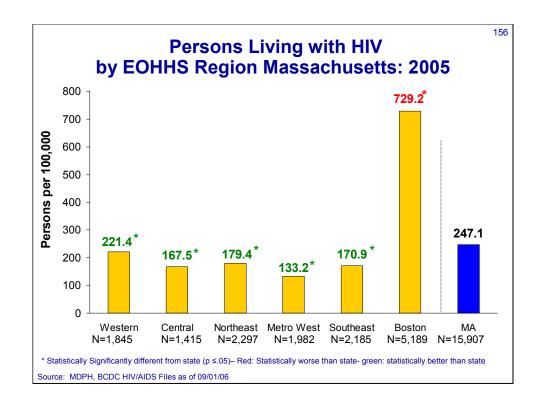
Summary Injury/Violence Emergency Department Indicators by EOHHS Regions, Massachusetts: 2003-2005								
Indicator Age-adjusted Rate per 100,00	MA Total	Western	Central	North East	Metro West	South East	Boston	
ER Visit Rate for all Injuries	11,298	12,323	11,379	11,195	9,112	13,996	10,539	
ER Visit Rate for Traumatic Brain Injury	604	461	646	662	563	653	640	
ER Visit Rate for Firearm	7	13	5	6	2	8	13	
ER Visit Rate for Fall-related injuries	2,750	2,913	2,860	2,713	2,410	3,191	2,511	

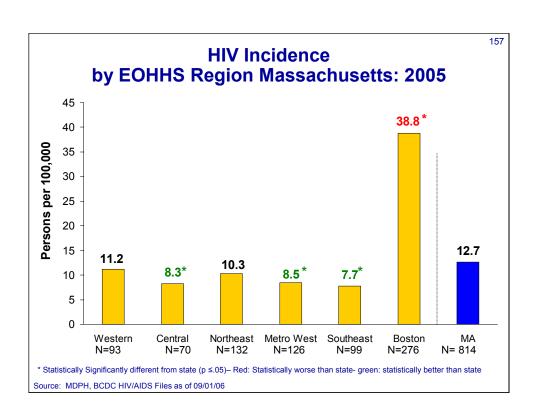
Summary Injury/Violence Mortality Indicators by EOHHS Regions, Massachusetts: 2003-2005

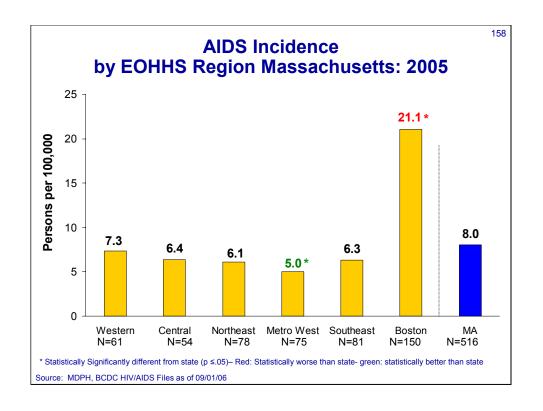
MA Total	Western	Central	North East	Metro West	South East	Boston
2.6	3.3	1.7	1.8	0.7	2.6	7.3
6.6	7.9	7.2	7.4	5.3	6.9	5.5
7.7	10.2	9.8	6.4	5.4	10.7	4.6
3.2	4.1	3.1	2.9	1.3	3.4	5.9
3.8	3.2	3.5	3.8	3.6	4.3	4.3
	Total 2.6 6.6 7.7 3.2	Total Western 2.6 3.3 6.6 7.9 7.7 10.2 3.2 4.1	Total Western Total Central 2.6 3.3 1.7 6.6 7.9 7.2 7.7 10.2 9.8 3.2 4.1 3.1	Total Western Total Central East 2.6 3.3 1.7 1.8 6.6 7.9 7.2 7.4 7.7 10.2 9.8 6.4 3.2 4.1 3.1 2.9	Total Western Total Central East Metro West 2.6 3.3 1.7 1.8 0.7 6.6 7.9 7.2 7.4 5.3 7.7 10.2 9.8 6.4 5.4 3.2 4.1 3.1 2.9 1.3	Total Western Total Central East Metro West South East 2.6 3.3 1.7 1.8 0.7 2.6 6.6 7.9 7.2 7.4 5.3 6.9 7.7 10.2 9.8 6.4 5.4 10.7 3.2 4.1 3.1 2.9 1.3 3.4

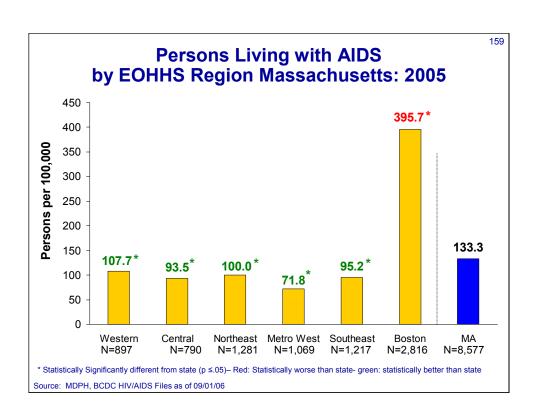
Source: MDPH, Health Information, Statistics, Research & Evaluation Bureau, Research & Epidemiology Program

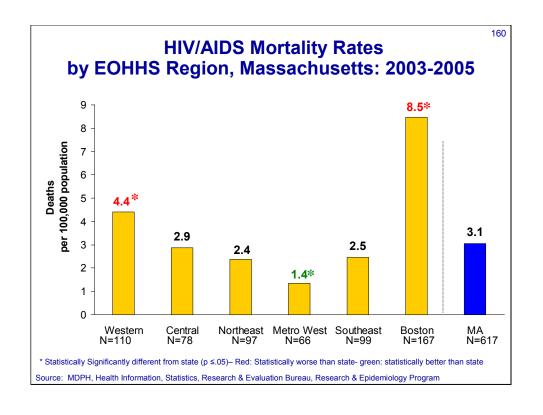
HIV/AIDS

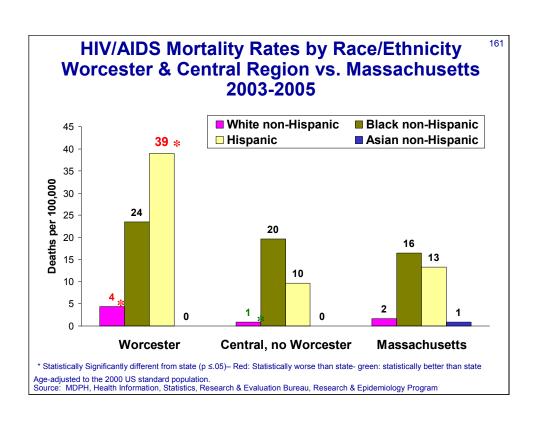






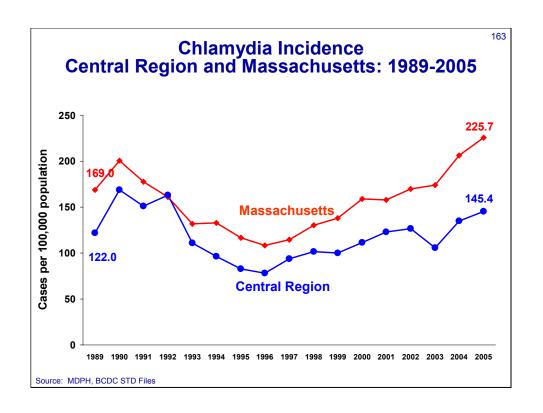


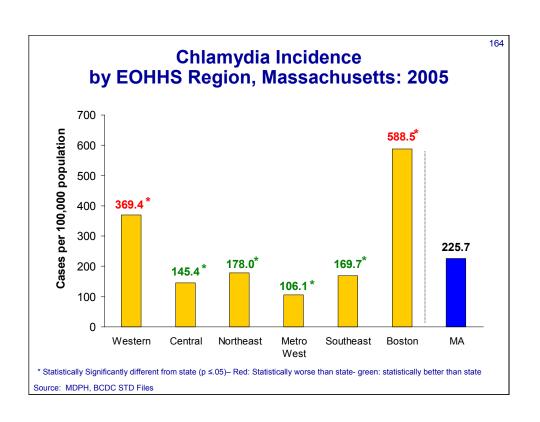


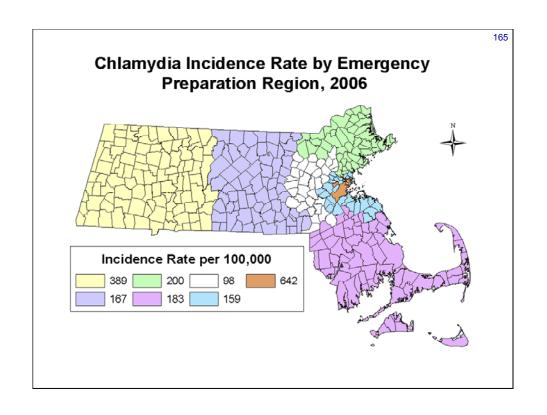


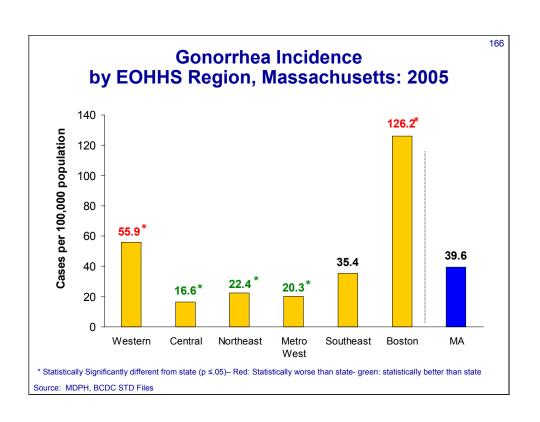
Indicator Crude rate, per 100,000	MA Total	Western	Central	North East	Metro West	South East	Boston
Persons living with HIV (2005)	247.1	221.4	167.5	179.4	133.1	170.9	729.2
HIV Incidence(2005)	12.6	11.2	8.3	10.3	8.5	7.7	38.8
Persons living with AIDS (2005)	133.2	107.7	93.5	100.0	71.8	95.2	395.7
AIDS Incidence (2005)	8.0	7.3	6.4	6.1	5.0	6.3	21.1
HIV/AIDS Mortality (2003-2005)	3.1	4.4	2.9	2.4	1.4	2.5	8.5

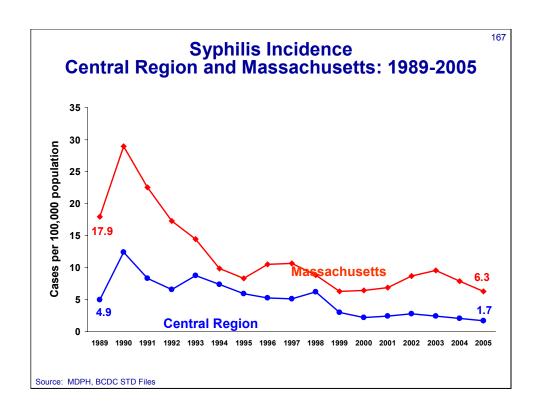
INFECTIOUS DISEASES

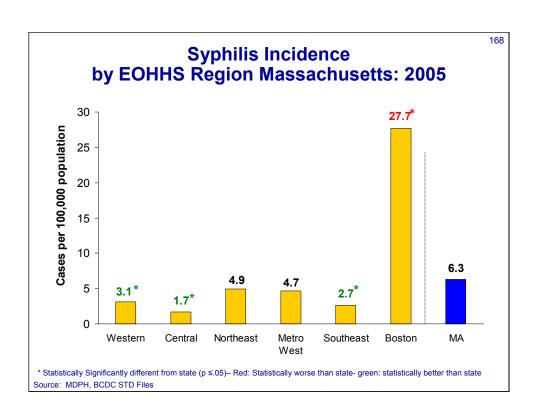


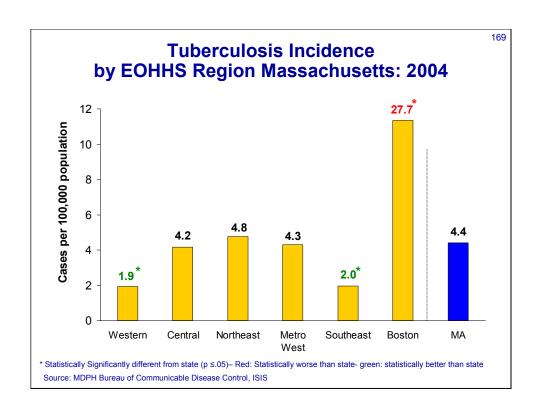










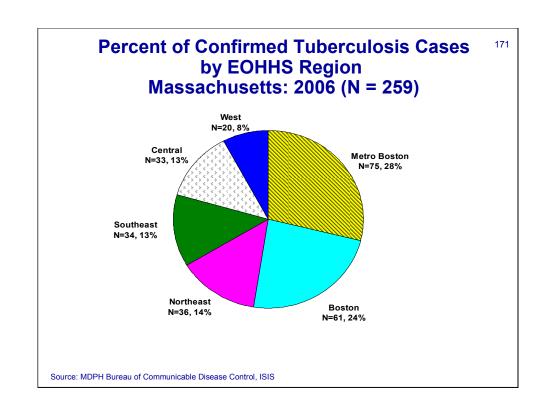


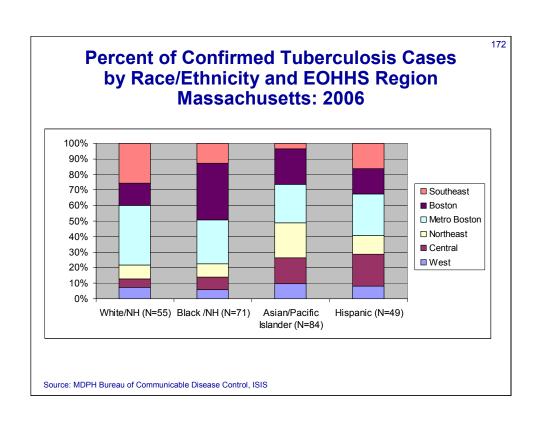
Confirmed Tuberculosis Cases by Race/Ethnicity and EOHHS Region Massachusetts: 2006

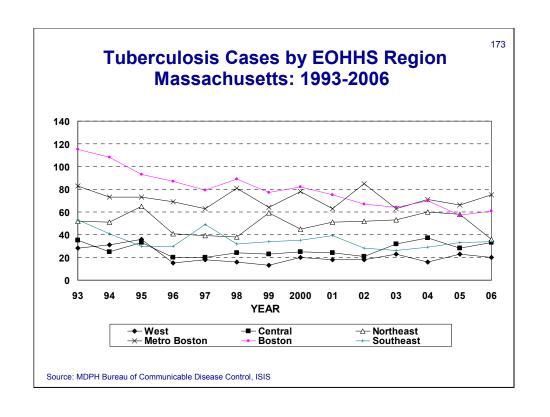
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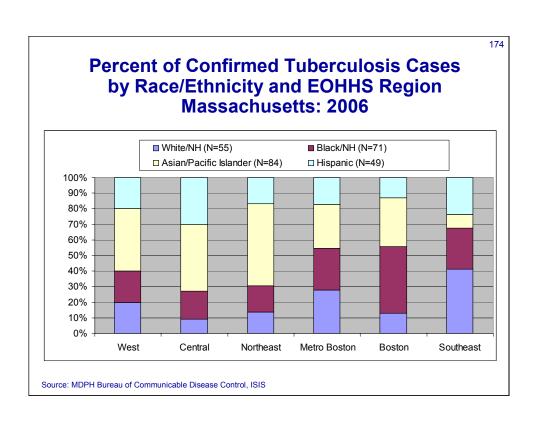
EOHHS Region	White non- Hispanic	Black non- Hispanic	Asian/Pacific Islander	Hispanic
West	<5	<5	8	<5
Central	<5	6	14	10
Northeast	5	6	19	6
Metro Boston	21	20	21	13
Boston	8	26	19	8
Southeast	14	9	<5	8

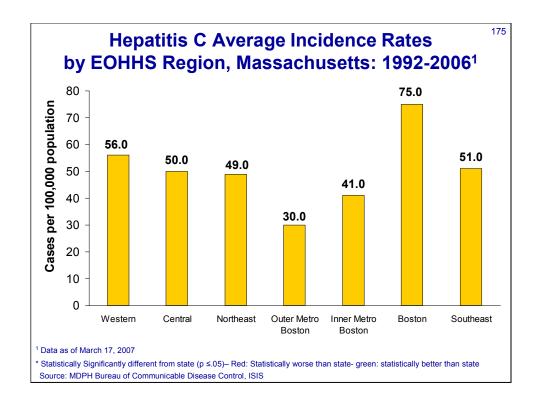
Source: MDPH Bureau of Communicable Disease Control, ISIS

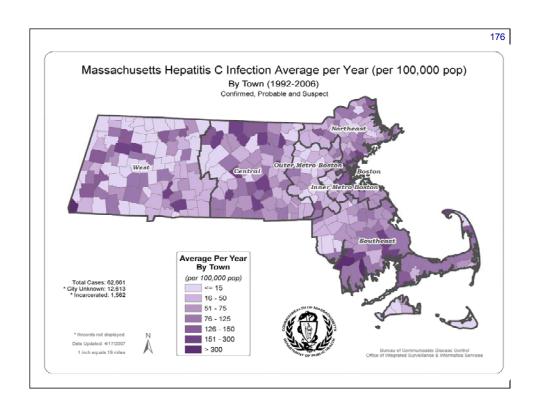


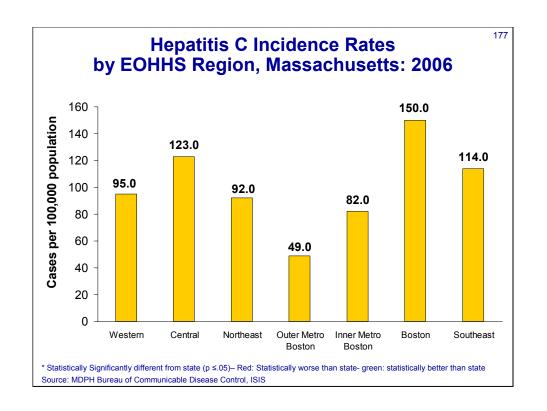


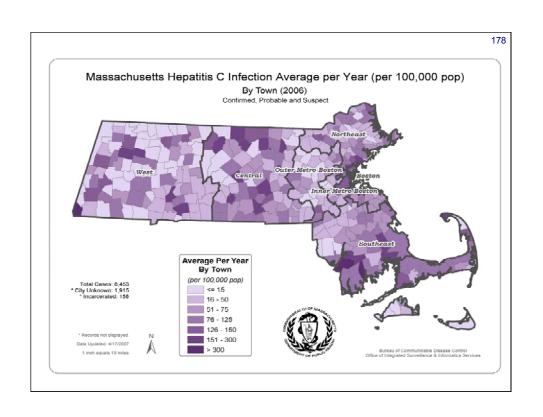


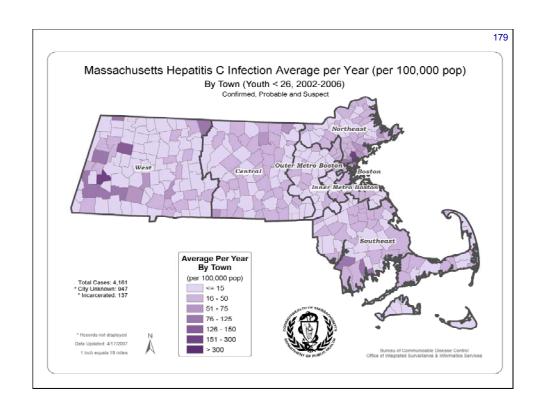


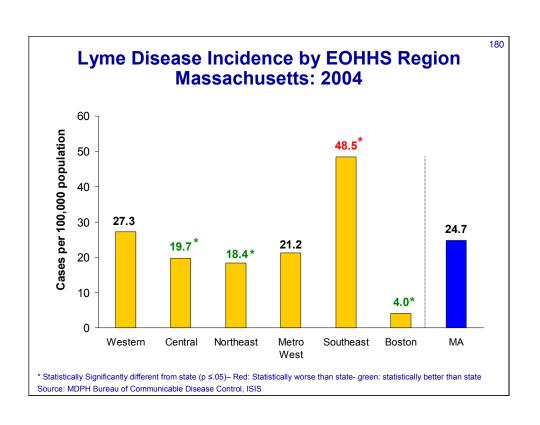


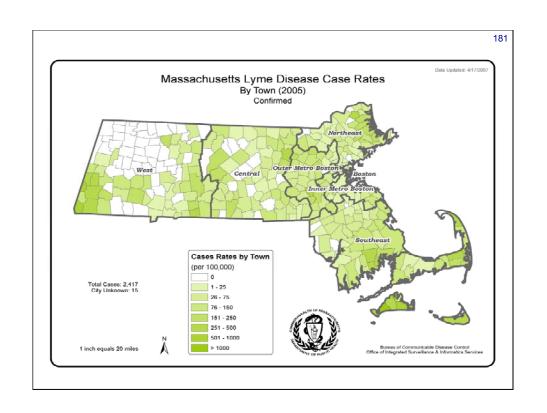


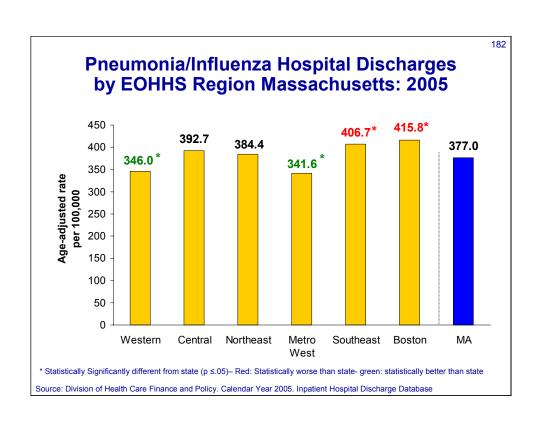






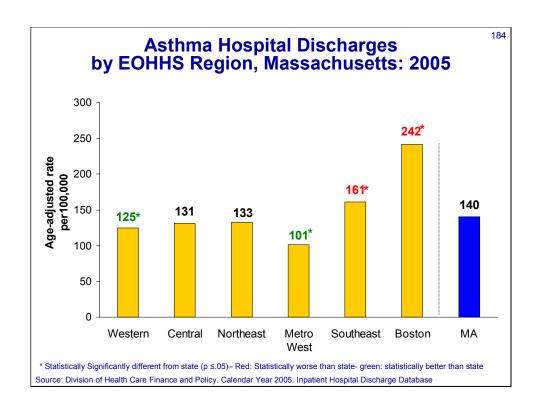


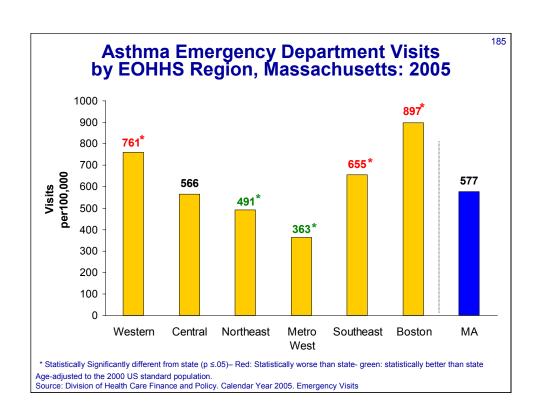


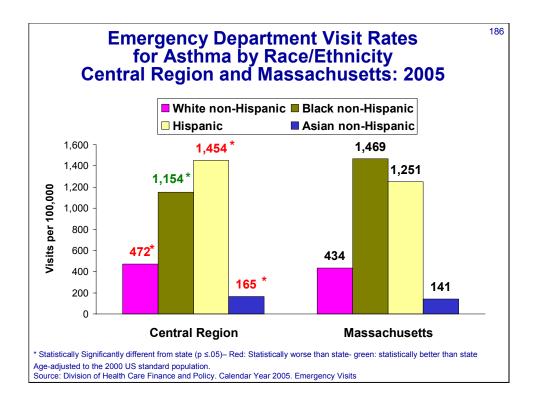


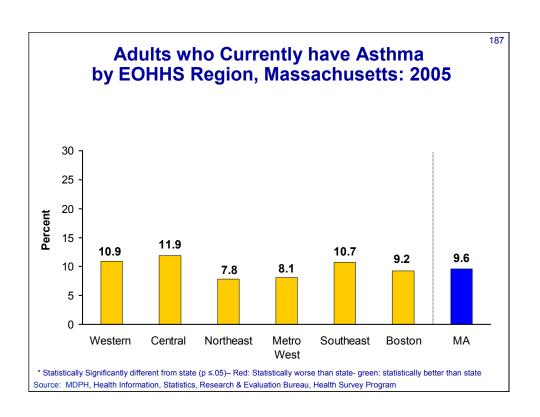
183 **Summary Infectious Disease Indicators** by EOHHS Regions MA North Metro South **Boston** Central Western Indicator Total **East** West East Chlamydia Incidence 369.4 145.4 225.7 178.0 106.1 169.7 588.5 (crude rates, 2005) **Gonorrhea Incidence** 22.4 39.6 55.9 16.6 20.3 35.4 126.2 (crude rates, 2005) **Syphilis Incidence** 1.7 3.1 2.7 22.7 6.3 4.9 4.7 (crude rates, 2005) **Tuberculosis Incidence** 4.4 1.9 4.2 4.8 4.3 2.0 11.4 (crude rates, 2004) Lyme Disease Incidence 24.7 27.3 19.7 18.4 21.2 48.4 4.0 (crude rates, 2004) Pneumonia/ Influenza 377.0 346.0 392.7 341.5 406.7 384.4 415.8 **Hospital Discharges** (age-adjusted, 2005) Worse Outcome (significantly different from state) Better Outcome (significantly different from state)

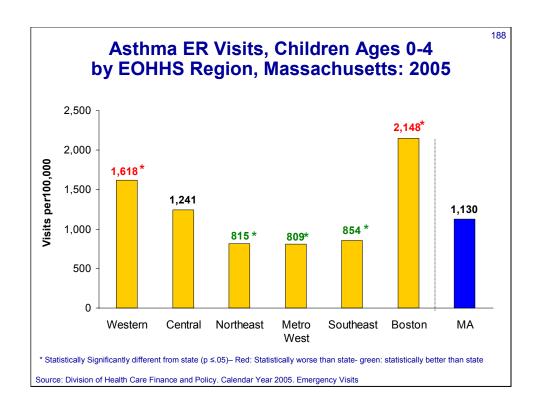
ASTHMA

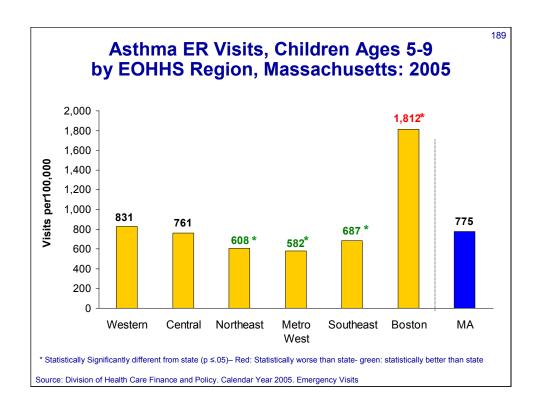


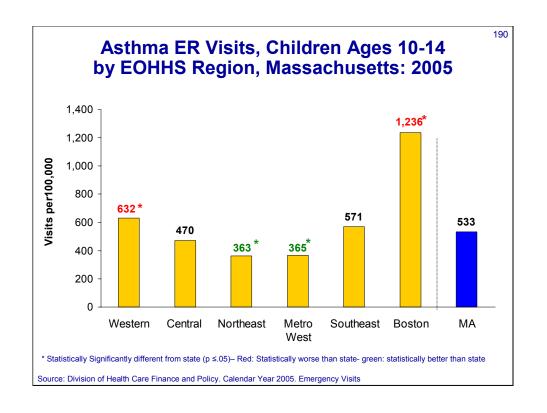


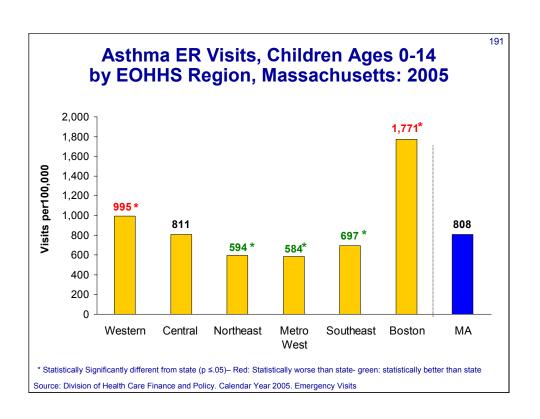


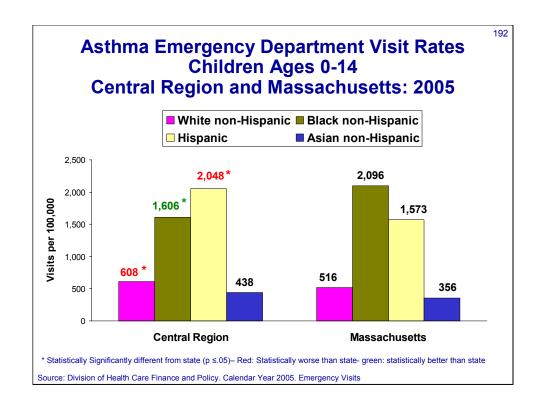


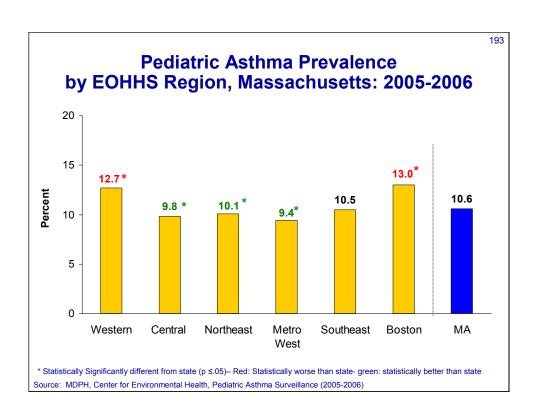


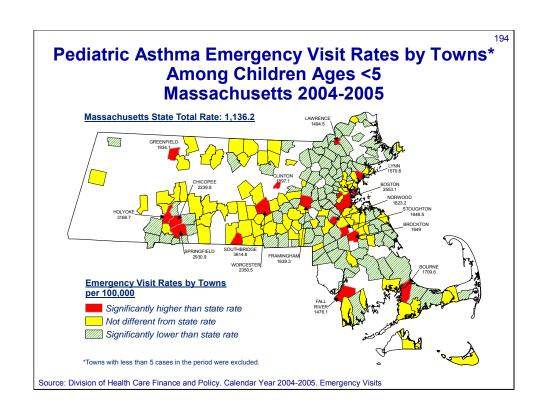


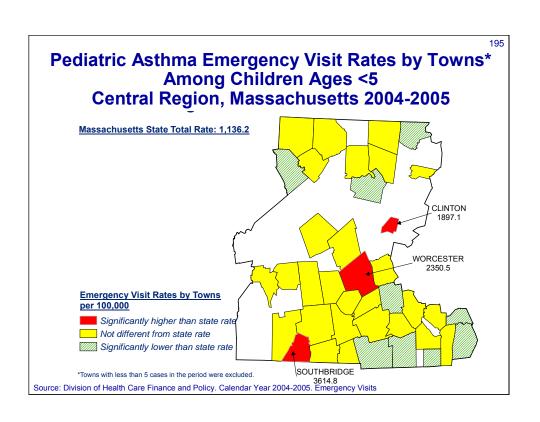


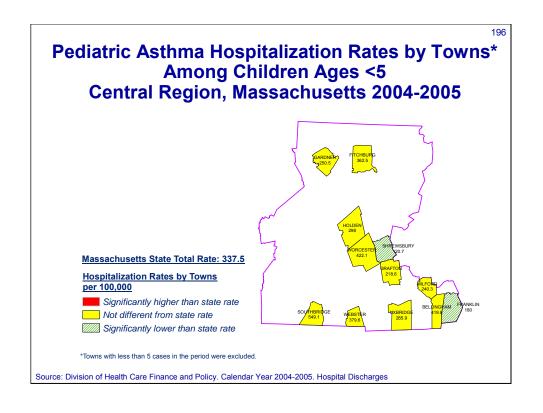








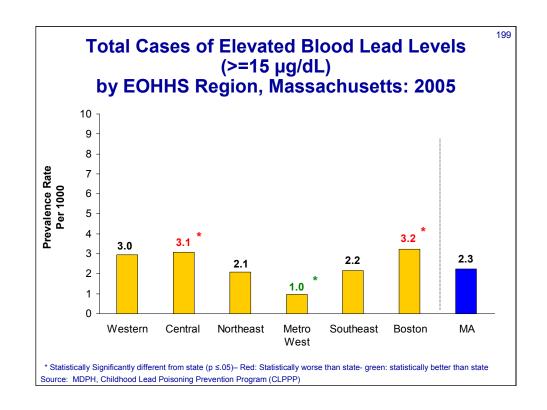


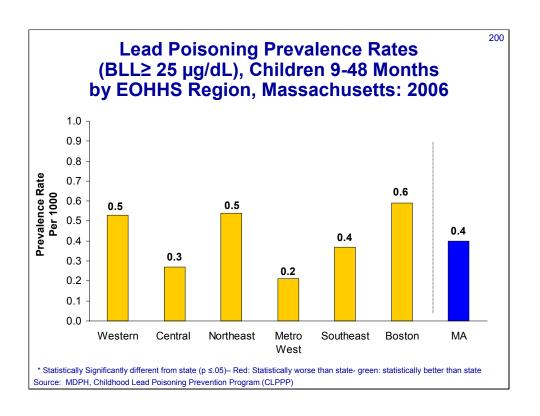


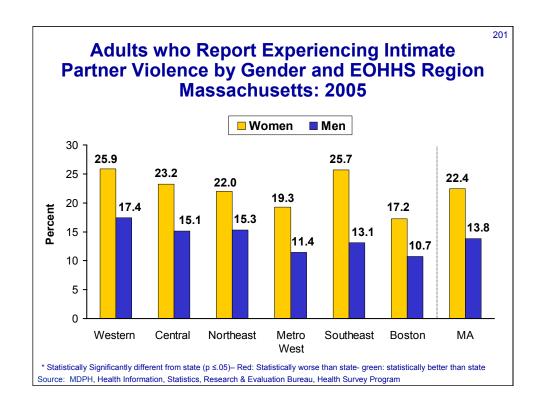
Indicator	MA Total	Western	Central	North East	Metro West	South East	Bostor
Asthma Hospital Discharges (age- adjusted per100,000)	140.1	125.0	131.5	132.7	100.9	160.9	241.9
Asthma ER Visits (age-adjusted per100,000)	576.9	760.9	565.9	491.4	363.0	654.5	897.1
% Adults who currently have asthma (2005)	9.6	10.9	11.9	7.8	8.1	10.7	9.2
Asthma ER Visits Ages 0-14 (age- adjusted per100,000)	808	995	811	594	584	697	1,771

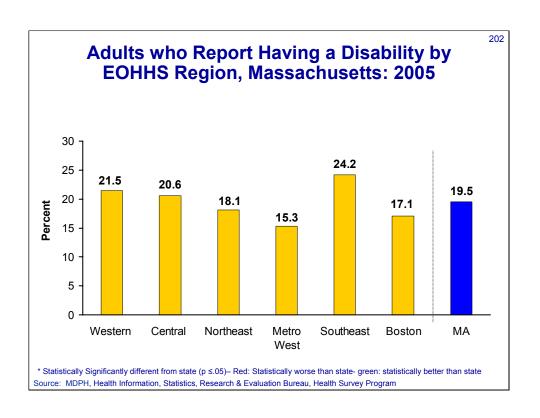
198 **Summary Asthma Indicators** by EOHHS Regions, Massachusetts: 2005 MA Metro North South **Boston** Western Central Indicator Total East West **East Asthma ER Visits** Ages 0-4 1,241 1,130 1,618 815 809 854 2,148 (age adjusted per100,000) **Asthma ER Visits** Ages 5-9 608 775 831 761 582 687 1,812 (age adjusted per100,000) **Asthma ER Visits** Ages 10-14 (age adjusted 533 632 470 363 365 571 1,236 per100,000) **Pediatric Asthma** 10.6 12.7 9.8 10.1 9.4 10.5 13.0 **Prevalence** (2005-2006) Better Outcome (significantly different from state) Worse Outcome (significantly different from state)

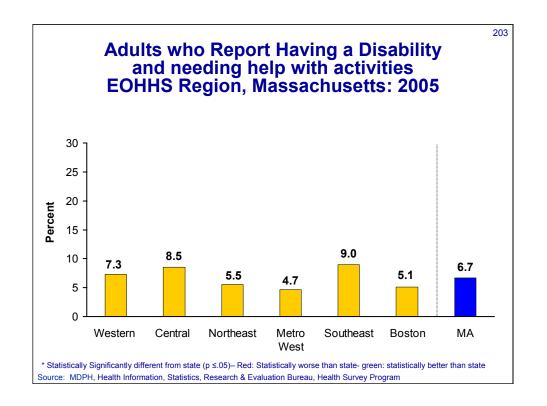
OTHER HEALTH INDICATORS

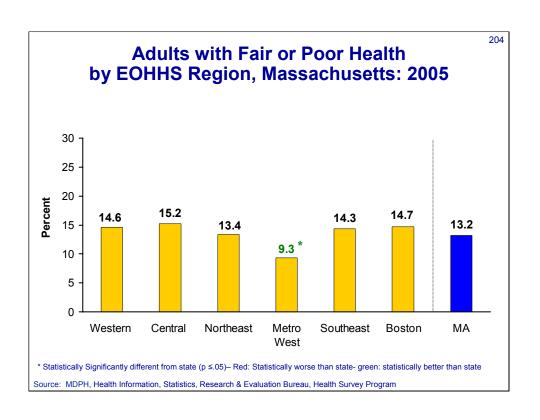


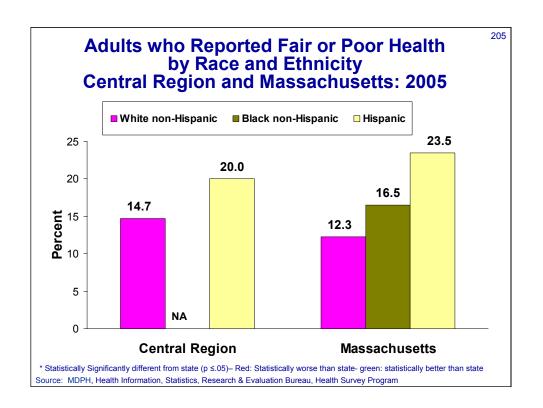


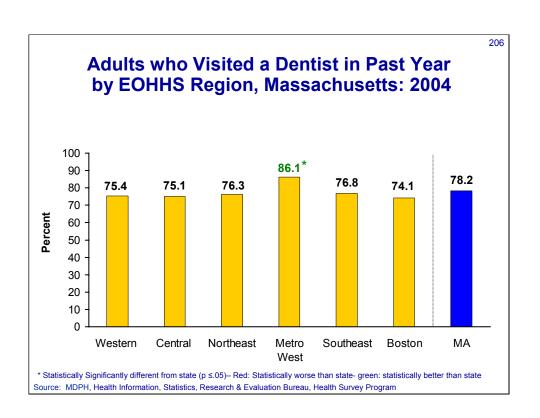


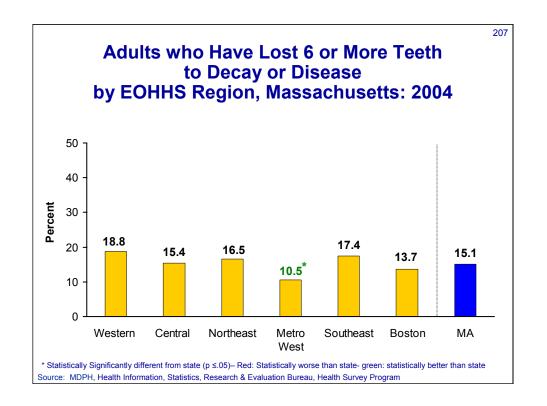


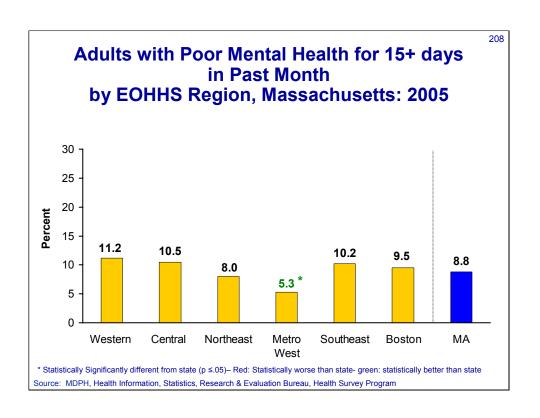






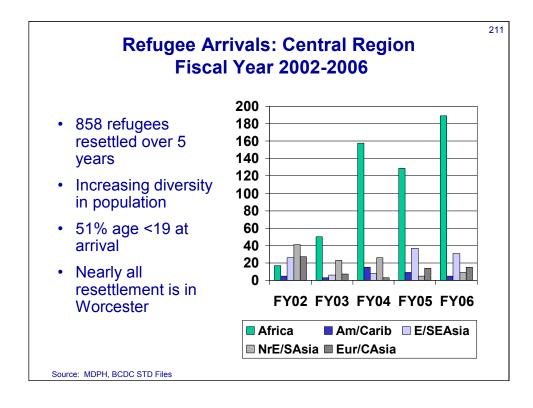






Summary Other Health Indicators by EOHHS Regions							
Indicator MA Total Western Central				North East	Metro West	South East	Boston
% Fair or Poor Health (2005)	13.2	14.6	15.2	13.4	9.3	14.3	14.7
Cases of Elevated Blood Lead levels (Percent of All Children Screened Per 1000, 2005)	2.3	2.9	3.1	2.1	1.0	2.2	3.2
% Visited Dentist Past Year (2004)	78.2	75.4	75.1	76.3	86.1	76.8	74.1
% 6+ Teeth Missing (2004)	15.1	18.8	15.4	16.5	10.5	17.4	13.7
% Poor Mental Health for 15 or more days in Past Month (2005)	8.8	11.2	10.5	8.0	5.3	10.2	9.5
Better Outcource: MDPH, Health Inform		ificantly different			tcome (significa Survey Progran	*	om state)

Indicator	MA Total	Western	Central	North East	Metro West	South East	Bostor
% Adults reporting having a disability (2005)	19.5	21.5	20.6	18.1	15.3	24.2	17.1
% Adults reporting having a disability and needing help with activities (2005)	6.7	7.3	8.5	5.5	4.7	9.0	5.1



212

Refugee Health Concerns: Central Region Fiscal Year 2002-2006

- High rates of latent TB infection (LTBI)
 - 744 refugees tested: 33% positive
 - Intensive follow-up in partnership with TB clinics, local health and DPH to assure testing, evaluation and treatment
 - Rapid assessment identifies active disease early to prevent spread
- Risk of lead poisoning among refugee children
 - 10 refugee children identified with elevated blood lead levels at arrival
 - Poor nutritional status puts children at risk of increased absorption of lead post-resettlement
- Need for bilingual, bicultural services to promote access to care

Source: MDPH, BCDC STD Files

Summary Refugees by EOHHS Regions Massachusetts: 2002-2006

213

214

Indicator	Western	Central	North East	Metro West and Boston Regions
Refugee Arrivals	2,204	858	1,312	2,843
Largest Group	European and Central Asian	African	African and South East Asian	African
% refugees 19 years or less	44%	51%	45%	39%
Largest Cities	Greenfield, Springfield, West Springfield, Westfield	Worcester	Lowell, Lynn, Malden	Boston, Cambridge, Chelsea, Everett, Quincy, Revere, Somerville, Waltham
%TB Positive	41%	33%	44%	47%

Source: MDPH, BCDC STD Files

Premature Mortality Rate (PMR)¹

Definition

- deaths before age 75

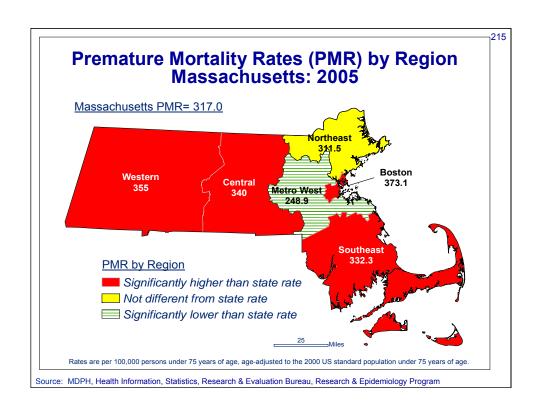
Rationale

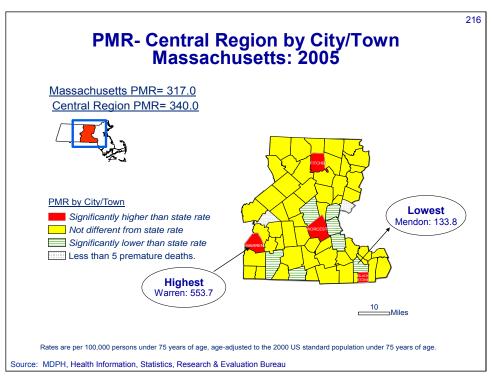
- two-thirds of deaths to persons ages 75+
- vast majority of deaths to persons age 75+ are due to chronic conditions associated with aging
- deaths to persons less than 75 years may be more preventable

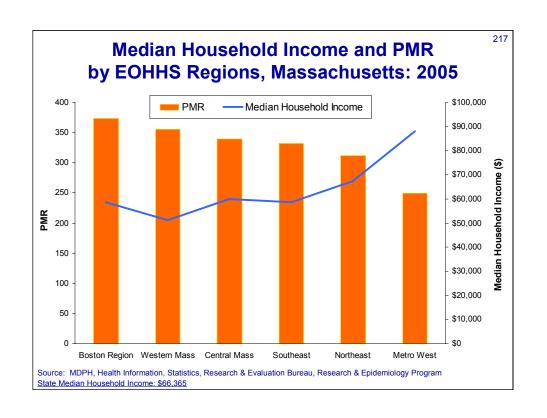
Summary health statistic

- excellent measure to reflect the health status of a population
- used as a health status indicator that can be used to focus prevention initiatives and target programs

¹ Rates are per 100,000 population. Age-adjusted to the 2000 US standard population under 75 years of age. Source: MDPH, Health Information, Statistics, Research & Evaluation Bureau







	PMF
Massachusetts	317.0
estern Region	355.0
entral Region	340.0
rth East Region	311.5
etro West Region	248.9
uth East Region	332.3
ston Region	373.1

219

Key Health Observations in Central Massachusetts

- · Racial and Ethnic disparities are major factors -Latinos and Blacks health disparities across several indicators are a major concern
- Overweight/obesity is an increasing health risk contributes to rising diabetes incidence
- · The region's residents are disproportionately affected by:
 - Infant mortality rates

 - Smoking ratesAIDS/HIV and Hep C
 - Heroin/opioid related incidents/deaths
 - Motor vehicle injuries

APPENDIX

REGIONS AND TOWNS

REGION	TOWN	COUNTY	CHNA
BOSTON	BOSTON	SUFFOLK	Alliance for Community Health
	BROOKLINE	NORFOLK	Alliance for Community Health
	CHELSEA	SUFFOLK	Alliance for Community Health
	REVERE	SUFFOLK	Alliance for Community Health
	WINTHROP	SUFFOLK	Alliance for Community Health
CENTRAL	ASHBURNHAM	WORCESTER	Fitchburg/Gardner CHN
	ASHBY	MIDDLESEX	Fitchburg/Gardner CHN
	AUBURN	WORCESTER	Community Wellness Coalition
	AYER	MIDDLESEX	Fitchburg/Gardner CHN
	BARRE	WORCESTER	Fitchburg/Gardner CHN
	BELLINGHAM	NORFOLK	Community Partners for Health
	BERLIN	WORCESTER	Fitchburg/Gardner CHN
	BLACKSTONE	WORCESTER	Community Partners for Health
	BOLTON	WORCESTER	Fitchburg/Gardner CHN
	BOYLSTON	WORCESTER	Community Wellness Coalition
	BRIMFIELD	HAMPDEN	CHN of Southern Worcester County
	BROOKFIELD	WORCESTER	CHN of Southern Worcester County
	CHARLTON	WORCESTER	CHN of Southern Worcester County
	CLINTON	WORCESTER	Fitchburg/Gardner CHN
	DOUGLAS	WORCESTER	Community Partners for Health
	DUDLEY	WORCESTER	CHN of Southern Worcester County
	EAST BROOKFIELD	WORCESTER	CHN of Southern Worcester County
	FITCHBURG	WORCESTER	Fitchburg/Gardner CHN
	FRANKLIN	NORFOLK	Community Partners for Health
	GARDNER	WORCESTER	Fitchburg/Gardner CHN
	GRAFTON	WORCESTER	Community Wellness Coalition
	GROTON	MIDDLESEX	Fitchburg/Gardner CHN
	HARDWICK	WORCESTER	Fitchburg/Gardner CHN
	HARVARD	WORCESTER	Fitchburg/Gardner CHN
	HOLDEN	WORCESTER	Community Wellness Coalition
	HOLLAND	HAMPDEN	CHN of Southern Worcester County
	HOPEDALE	WORCESTER	Community Partners for Health
	HUBBARDSTON	WORCESTER	Fitchburg/Gardner CHN
	LANCASTER	WORCESTER	Fitchburg/Gardner CHN
	LEICESTER	WORCESTER	Community Wellness Coalition
	LEOMINSTER	WORCESTER	Fitchburg/Gardner CHN
	LUNENBURG	WORCESTER	Fitchburg/Gardner CHN
	MEDWAY	NORFOLK	Community Partners for Health
	MENDON	WORCESTER	Community Partners for Health
	MILFORD	WORCESTER	Community Partners for Health
	MILLBURY	WORCESTER	Community Wellness Coalition
	MILLVILLE	WORCESTER	Community Partners for Health
	NEW BRAINTREE	WORCESTER	Fitchburg/Gardner CHN
	NORTH BROOKFIELD	WORCESTER	CHN of Southern Worcester County
	NORTHBRIDGE	WORCESTER	Community Partners for Health
	OAKHAM	WORCESTER	Fitchburg/Gardner CHN

	T		
	OXFORD	WORCESTER	CHN of Southern Worcester County
	PAXTON	WORCESTER	Community Wellness Coalition
	PEPPERELL	MIDDLESEX	Fitchburg/Gardner CHN
	PRINCETON	WORCESTER	Fitchburg/Gardner CHN
	RUTLAND	WORCESTER	Fitchburg/Gardner CHN
	SHIRLEY	MIDDLESEX	Fitchburg/Gardner CHN
	SHREWSBURY	WORCESTER	Community Wellness Coalition
	SOUTHBRIDGE	WORCESTER	CHN of Southern Worcester County
	SPENCER	WORCESTER	CHN of Southern Worcester County
	STERLING	WORCESTER	Fitchburg/Gardner CHN
	STURBRIDGE	WORCESTER	CHN of Southern Worcester County
	SUTTON	WORCESTER	Community Partners for Health
	TEMPLETON	WORCESTER	Fitchburg/Gardner CHN
	TOWNSEND	MIDDLESEX	Fitchburg/Gardner CHN
	UPTON	WORCESTER	Community Partners for Health
	UXBRIDGE	WORCESTER	Community Partners for Health
	WALES	HAMPDEN	CHN of Southern Worcester County
	WARREN	WORCESTER	CHN of Southern Worcester County
	WEBSTER	WORCESTER	CHN of Southern Worcester County
	WEST BOYLSTON	WORCESTER	Community Wellness Coalition
	WEST BROOKFIELD	WORCESTER	CHN of Southern Worcester County
	WESTMINSTER	WORCESTER	Fitchburg/Gardner CHN
	WINCHENDON	WORCESTER	Fitchburg/Gardner CHN
	WORCESTER	WORCESTER	Community Wellness Coalition
METRO	ACTON	MIDDLESEX	Greater Woburn/Concord/Littleton CHN
WEST	ARLINGTON	MIDDLESEX	Greater Cambridge/Somerville CHN
	ASHLAND	MIDDLESEX	CHN of Greater Metro West
	BEDFORD	MIDDLESEX	Greater Woburn/Concord/Littleton CHN
	BELMONT	MIDDLESEX	Greater Cambridge/Somerville CHN
	BOXBOROUGH	MIDDLESEX	Greater Woburn/Concord/Littleton CHN
	BRAINTREE	NORFOLK	Blue Hills Community Health Alliance
	BURLINGTON	MIDDLESEX	Greater Woburn/Concord/Littleton CHN
	CAMBRIDGE	MIDDLESEX	Greater Cambridge/Somerville CHN
	CANTON	NORFOLK	Blue Hills Community Health Alliance
	CARLISLE	MIDDLESEX	Greater Woburn/Concord/Littleton CHN
	COHASSET	NORFOLK	Blue Hills Community Health Alliance
	CONCORD	MIDDLESEX	Greater Woburn/Concord/Littleton CHN
	DEDHAM	NORFOLK	West Suburban Health Network
	DOVER	NORFOLK	West Suburban Health Network
	FOXBOROUGH	NORFOLK	CHN of Greater Metro West
	FRAMINGHAM	MIDDLESEX	CHN of Greater Metro West
	HINGHAM	PLYMOUTH	Blue Hills Community Health Alliance
	HOLLISTON	MIDDLESEX	CHN of Greater Metro West
	HOPKINTON	MIDDLESEX	CHN of Greater Metro West
	HUDSON	MIDDLESEX	CHN of Greater Metro West
	HULL	PLYMOUTH	Blue Hills Community Health Alliance
	LEXINGTON	MIDDLESEX	Greater Woburn/Concord/Littleton CHN
	LINCOLN	MIDDLESEX	Greater Woburn/Concord/Littleton CHN
	LITTLETON	MIDDLESEX	Greater Woburn/Concord/Littleton CHN
I	MARLBOROUGH	MIDDLESEX	CHN of Greater Metro West

	MAYNARD	MIDDLESEX	CHN of Greater Metro West
	MEDFIELD	NORFOLK	CHN of Greater Metro West
	MILLIS	NORFOLK	CHN of Greater Metro West
	MILTON	NORFOLK	Blue Hills Community Health Alliance
	NATICK	MIDDLESEX	CHN of Greater Metro West
	NEEDHAM	NORFOLK	West Suburban Health Network
	NEWTON	MIDDLESEX	West Suburban Health Network
	NORFOLK	NORFOLK	CHN of Greater Metro West
	NORTHBOROUGH	WORCESTER	CHN of Greater Metro West
	NORWELL	PLYMOUTH	Blue Hills Community Health Alliance
	NORWOOD	NORFOLK	Blue Hills Community Health Alliance
	PLAINVILLE	NORFOLK	CHN of Greater Metro West
	QUINCY	NORFOLK	Blue Hills Community Health Alliance
	RANDOLPH	NORFOLK	Blue Hills Community Health Alliance
	SCITUATE	PLYMOUTH	Blue Hills Community Health Alliance
	SHARON	NORFOLK	Blue Hills Community Health Alliance
	SHERBORN	MIDDLESEX	CHN of Greater Metro West
	SOMERVILLE	MIDDLESEX	Greater Cambridge/Somerville CHN
	SOUTHBOROUGH	WORCESTER	CHN of Greater Metro West
	STOW	MIDDLESEX	CHN of Greater Metro West
	SUDBURY	MIDDLESEX	CHN of Greater Metro West
	WALPOLE	NORFOLK	CHN of Greater Metro West
	WALTHAM	MIDDLESEX	West Suburban Health Network
	WATERTOWN	MIDDLESEX	Greater Cambridge/Somerville CHN
	WAYLAND	MIDDLESEX	CHN of Greater Metro West
	WELLESLEY	NORFOLK	West Suburban Health Network
	WESTBOROUGH	WORCESTER	CHN of Greater Metro West
	WESTON	MIDDLESEX	West Suburban Health Network
	WESTWOOD	NORFOLK	West Suburban Health Network
	WEYMOUTH	NORFOLK	Blue Hills Community Health Alliance
	WILMINGTON	MIDDLESEX	Greater Woburn/Concord/Littleton CHN
	WINCHESTER	MIDDLESEX	Greater Woburn/Concord/Littleton CHN
	WOBURN	MIDDLESEX	Greater Woburn/Concord/Littleton CHN
	WRENTHAM	NORFOLK	CHN of Greater Metro West
NORTHEAST	AMESBURY	ESSEX	Greater Haverhill CHN
NORTHLAGI	ANDOVER	ESSEX	Greater Lawrence CHN
	BEVERLY	ESSEX	Community Health Network North
	BILLERICA	MIDDLESEX	Greater Lowell CHN
	BOXFORD	ESSEX	Greater Lowell GHN Greater Haverhill CHN
	CHELMSFORD	MIDDLESEX	Greater Lowell CHN
	DANVERS	ESSEX	North Shore CHN
	DRACUT	MIDDLESEX	Greater Lowell CHN
	DUNSTABLE	MIDDLESEX	Greater Lowell CHN Greater Lowell CHN
			Community Health Network North
	ESSEX EVERETT	ESSEX	North Suburban Health Alliance
		MIDDLESEX	Greater Haverhill CHN
	GEORGETOWN	ESSEX	
	GLOUCESTER	ESSEX	Community Health Network North
	GROVELAND	ESSEX	Greater Haverhill CHN
	HAMILTON	ESSEX	Community Health Network North
	HAVERHILL	ESSEX	Greater Haverhill CHN

	T	T	
	IPSWICH	ESSEX	Community Health Network North
	LAWRENCE	ESSEX	Greater Lawrence CHN
	LOWELL	MIDDLESEX	Greater Lowell CHN
	LYNN	ESSEX	North Shore CHN
	LYNNFIELD	ESSEX	North Shore CHN
	MALDEN	MIDDLESEX	North Suburban Health Alliance
	MANCHESTER	ESSEX	Community Health Network North
	MARBLEHEAD	ESSEX	North Shore CHN
	MEDFORD	MIDDLESEX	North Suburban Health Alliance
	MELROSE	MIDDLESEX	North Suburban Health Alliance
	MERRIMAC	ESSEX	Greater Haverhill CHN
	METHUEN	ESSEX	Greater Lawrence CHN
	MIDDLETON	ESSEX	Greater Lawrence CHN
	NAHANT	ESSEX	North Shore CHN
	NEWBURY	ESSEX	Greater Haverhill CHN
	NEWBURYPORT	ESSEX	Greater Haverhill CHN
	NORTH ANDOVER	ESSEX	Greater Lawrence CHN
	NORTH READING	MIDDLESEX	North Suburban Health Alliance
	PEABODY	ESSEX	North Shore CHN
	READING	MIDDLESEX	North Shore Crin North Suburban Health Alliance
	ROCKPORT		
		ESSEX	Community Health Network North
	ROWLEY	ESSEX	Greater Haverhill CHN
	SALEM	ESSEX	North Shore CHN
	SALISBURY	ESSEX	Greater Haverhill CHN
	SAUGUS	ESSEX	North Shore CHN
	STONEHAM	MIDDLESEX	North Suburban Health Alliance
	SWAMPSCOTT	ESSEX	North Shore CHN
	TEWKSBURY	MIDDLESEX	Greater Lowell CHN
	TOPSFIELD	ESSEX	Community Health Network North
	TYNGSBOROUGH	MIDDLESEX	Greater Lowell CHN
	WAKEFIELD	MIDDLESEX	North Suburban Health Alliance
	WENHAM	ESSEX	Community Health Network North
	WEST NEWBURY	ESSEX	Greater Haverhill CHN
	WESTFORD	MIDDLESEX	Greater Lowell CHN
SOUTHEAST	ABINGTON	PLYMOUTH	Greater Brockton CHN
	ACUSHNET	BRISTOL	Greater New Bedford CHN
	ATTLEBORO	BRISTOL	Health & Education Response
	AVON	NORFOLK	Greater Brockton CHN
	BARNSTABLE	BARNSTABLE	Cape and Islands CHN
	BERKLEY	BRISTOL	Health & Education Response
	BOURNE	BARNSTABLE	Cape and Islands CHN
	BREWSTER	BARNSTABLE	Cape and Islands CHN
	BRIDGEWATER	PLYMOUTH	Greater Brockton CHN
	BROCKTON	PLYMOUTH	Greater Brockton CHN
	CARVER	PLYMOUTH	South Shore Community Partners in Prevention
	CHATHAM	BARNSTABLE	Cape and Islands CHN
	CHILMARK	DUKES	Cape and Islands CHN
	DARTMOUTH	BRISTOL	Greater New Bedford CHN
	DENNIS	BARNSTABLE	Cape and Islands CHN
			·
	DIGHTON	BRISTOL	Health & Education Response

DUXBURY	PLYMOUTH	South Shore Community Partners in Prevention
EAST BRIDGEWATER	PLYMOUTH	Greater Brockton CHN
EASTHAM	BARNSTABLE	Cape and Islands CHN
EASTON	BRISTOL	Greater Brockton CHN
EDGARTOWN	DUKES	Cape and Islands CHN
FAIRHAVEN	BRISTOL	Greater New Bedford CHN
FALL RIVER	BRISTOL	Partners for a Healthier Community
FALMOUTH	BARNSTABLE	Cape and Islands CHN
FREETOWN	BRISTOL	Greater New Bedford CHN
GAY HEAD	DUKES	Cape and Islands CHN
GOSNOLD	DUKES	Cape and Islands CHN
HALIFAX	PLYMOUTH	South Shore Community Partners in Prevention
HANOVER	PLYMOUTH	South Shore Community Partners in Prevention
HANSON	PLYMOUTH	South Shore Community Partners in Prevention
HARWICH	BARNSTABLE	Cape and Islands CHN
HOLBROOK	NORFOLK	Greater Brockton CHN
KINGSTON	PLYMOUTH	South Shore Community Partners in Prevention
LAKEVILLE	PLYMOUTH	Health & Education Response
MANSFIELD	BRISTOL	Health & Education Response
MARION	PLYMOUTH	Greater New Bedford CHN
MARSHFIELD	PLYMOUTH	South Shore Community Partners in Prevention
MASHPEE	BARNSTABLE	Cape and Islands CHN
MATTAPOISETT	PLYMOUTH	Greater New Bedford CHN
MIDDLEBOROUGH	PLYMOUTH	Health & Education Response
NANTUCKET	NANTUCKET	Cape and Islands CHN
NEW BEDFORD	BRISTOL	Greater New Bedford CHN
NORTH ATTLEBORO	BRISTOL	Health & Education Response
NORTON	BRISTOL	Health & Education Response
OAK BLUFFS	DUKES	Cape and Islands CHN
ORLEANS	BARNSTABLE	Cape and Islands CHN
PEMBROKE	PLYMOUTH	South Shore Community Partners in Prevention
PLYMOUTH	PLYMOUTH	South Shore Community Partners in Prevention
PLYMPTON	PLYMOUTH	South Shore Community Partners in Prevention
PROVINCETOWN	BARNSTABLE	Cape and Islands CHN
RAYNHAM	BRISTOL	Health & Education Response
REHOBOTH	BRISTOL	Health & Education Response
ROCHESTER	PLYMOUTH	Greater New Bedford CHN
ROCKLAND	PLYMOUTH	South Shore Community Partners in Prevention
SANDWICH	BARNSTABLE	Cape and Islands CHN
SEEKONK	BRISTOL	Health & Education Response
SOMERSET	BRISTOL	Partners for a Healthier Community
STOUGHTON	NORFOLK	Greater Brockton CHN
SWANSEA	BRISTOL	Partners for a Healthier Community
TAUNTON	BRISTOL	Health & Education Response
TISBURY	DUKES	Cape and Islands CHN
TRURO	BARNSTABLE	Cape and Islands CHN
WAREHAM	PLYMOUTH	Greater New Bedford CHN
WELLFLEET	BARNSTABLE	Cape and Islands CHN
WEST BRIDGEWATER	PLYMOUTH	Greater Brockton CHN
WEST TISBURY	DUKES	Cape and Islands CHN
**EOT HODOICE	DONLO	Supe and Islands Of Its

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	WESTPORT	BRISTOL	Partners for a Healthier Community
	WHITMAN	PLYMOUTH	Greater Brockton CHN
_	YARMOUTH	BARNSTABLE	Cape and Islands CHN
WESTERN	ADAMS	BERKSHIRE	CHN of Berkshire
	AGAWAM	HAMPDEN	The Community Health Connection
	ALFORD	BERKSHIRE	CHN of Berkshire
	AMHERST	HAMPSHIRE	Partnership for Health in Hampshire County
	ASHFIELD	FRANKLIN	Upper Valley Health Web
	ATHOL	WORCESTER	Upper Valley Health Web
	BECKET	BERKSHIRE	CHN of Berkshire
	BELCHERTOWN	HAMPSHIRE	Partnership for Health in Hampshire County
	BERNARDSTON	FRANKLIN	Upper Valley Health Web
	BLANDFORD	HAMPDEN	The Community Health Connection
	BUCKLAND	FRANKLIN	Upper Valley Health Web
	CHARLEMONT	FRANKLIN	Upper Valley Health Web
	CHESHIRE	BERKSHIRE	CHN of Berkshire
	CHESTER	HAMPDEN	Four (For) Communities
	CHESTERFIELD	HAMPSHIRE	Partnership for Health in Hampshire County
	CHICOPEE	HAMPDEN	Four (For) Communities
	CLARKSBURG	BERKSHIRE	CHN of Berkshire
	COLRAIN	FRANKLIN	Upper Valley Health Web
	CONWAY	FRANKLIN	Upper Valley Health Web
	CUMMINGTON	HAMPSHIRE	Partnership for Health in Hampshire County
	DALTON	BERKSHIRE	CHN of Berkshire
	DEERFIELD	FRANKLIN	Upper Valley Health Web
	EAST LONGMEADOW	HAMPDEN	The Community Health Connection
	EASTHAMPTON	HAMPSHIRE	Partnership for Health in Hampshire County
	EGREMONT	BERKSHIRE	CHN of Berkshire
	ERVING	FRANKLIN	Upper Valley Health Web
	FLORIDA	BERKSHIRE	CHN of Berkshire
	GILL	FRANKLIN	Upper Valley Health Web
	GOSHEN	HAMPSHIRE	Partnership for Health in Hampshire County
	GRANBY	HAMPSHIRE	· · · · · · · · · · · · · · · · · · ·
			Partnership for Health in Hampshire County
	GRANVILLE	HAMPDEN	The Community Health Connection CHN of Berkshire
	GREAT BARRINGTON	BERKSHIRE	
	GREENFIELD	FRANKLIN HAMPSHIRE	Upper Valley Health Web
	HADLEY		Partnership for Health in Hampshire County
	HAMPDEN	HAMPDEN	The Community Health Connection
	HANCOCK	BERKSHIRE	CHN of Berkshire
	HATFIELD	HAMPSHIRE	Partnership for Health in Hampshire County
	HAWLEY	FRANKLIN	Upper Valley Health Web
	HEATH	FRANKLIN	Upper Valley Health Web
	HINSDALE	BERKSHIRE	CHN of Berkshire
	HOLYOKE	HAMPDEN	Four (For) Communities
	HUNTINGTON	HAMPSHIRE	Four (For) Communities
	LANESBOROUGH	BERKSHIRE	CHN of Berkshire
	LEE	BERKSHIRE	CHN of Berkshire
	LENOX	BERKSHIRE	CHN of Berkshire
	LEVERETT	FRANKLIN	Upper Valley Health Web
	LEYDEN	FRANKLIN	Upper Valley Health Web

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WESTHAMPTON HAMPSHIRE Partnership for Health in Hampshire County			
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WHATELY FRANKLIN Upper Valley Health Web			· · · · · · · · · · · · · · · · · · ·
	WHATELY	FRANKLIN	Upper Valley Health Web

WILBRAHAM	HAMPDEN	The Community Health Connection
WILDRADAW	HAIVIPDEN	The Community Health Connection
WILLIAMSBURG	HAMPSHIRE	Partnership for Health in Hampshire County
WILLIAMSTOWN	BERKSHIRE	CHN of Berkshire
WINDSOR	BERKSHIRE	CHN of Berkshire
WORTHINGTON	HAMPSHIRE	Partnership for Health in Hampshire County

DATA SOURCES

Massachusetts Division of Health Care Finance and Policy

MDPH, Bureau of Communicable Disease Control

MDPH, Bureau of Substance Abuse Services

MDPH, Environmental Health Bureau

MDPH, Health Information, Statistics, Research & Evaluation Bureau

SAMHSA, Office of Applied Studies